Middlebury College 1973-1974

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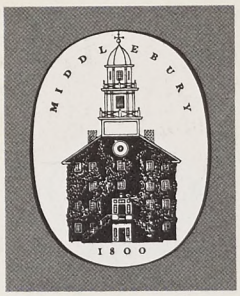
Registration Catalogue Issue / Fall Term



MIDDLEBURY COLLEGE BULLETIN
MAY 1973

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Contents

5 Registration
8 Normal Program
8 Freshman Program
8 Major Concentration
9 Degree Requirements

SPECIAL PROGRAMS

9 Combined Professional School Plans and Premedical or Predental Programs
9 Environmental Studies
9 Junior Year Abroad
9 Teacher Education Program
9 Military Science Program
10 Washington Semester Program
10 Exchange Programs
10 Independent Scholar Program

DEPARTMENTS OF INSTRUCTION AND PROGRAMS

10 Division of the Humanities
11 Interdepartmental
11 Division of Foreign Languages
12 Division of Humanities
12 American Literature
14 American Studies
15 Art
18 Biology
21 Chemistry
23 Classics
24 Economics
26 English and Drama
32 French
34 Geography and Geology
37 German
38 History
42 Mathematics
43 Music
46 Philosophy
49 Physical Education
50 Physics
52 Political Science
55 Psychology
57 Religion
59 Russian
61 Sociology-Anthropology
64 Spanish and Italian
68 Teacher Education
71 Military Science
73 Calendar

REGISTRATION INFORMATION
FALL TERM 1973-74

Students may pick up their Registration Materials from May 7 to 11, 1973 in the Registrar's Office.

REGISTRATION DATE: Thursday, May 17, 1973 - in McCullough Gym
Class of 1974 -- 8:30 A.M. to 10:30 A.M.
Class of 1975 -- 10:30 A.M. to 12:30 P.M.
Class of 1976 -- 12:30 P.M. to 2:30 P.M.
Graduate and Special Students may register anytime during the day.
Special Students require Comptroller's signature prior to Registration.

REGISTRATION MATERIALS:
Fall Term Registration Card 73-74
Course Schedule Card (STUDENT)
Student Activity Card
Registration Catalogue Fall Term 1973-74
Class Schedule (COURSES)

INSTRUCTIONS:

1. Fall Term Registration Card 73-74 (See Sample below)
   a. Prior to Registration and in consultation with your adviser, list four (4) courses, plus non-credit Military Science if elected, and have courses requiring "permission" signed by the instructor. Freshmen (Class of 1977) enrolling in courses other than those numbered 100 through 190 must obtain instructor's signature. Freshmen may not elect more than one course in a Department in any one term (AL 101 and courses in ED Freshman Writing Program may not be taken simultaneously).
   b. Obtain your Adviser's signature.
   c. If you are taking a "500" series course in your major field you must obtain the signatures of both the instructor and the Chairman of the Department. Normally they cannot be approved prior to the junior year. "500" projects outside of the major department must be approved by the instructor, the Chairman of the department in which the work is to be done, and by the Administration Committee.
   d. If you are registering for fewer or more than four courses, you must obtain the signature of a Dean.
   e. MAJOR: Members of the class of 1977 do not select a major during Fall Registration. Students in the class of 1976 must indicate choice of major, even if tentative. This major must be selected from the list given in Part 2. If your major is listed, print the official name of this major in the box provided (upper right hand corner), and write "S" in type box. (If you chose the Biology-Chemistry major from this list, write "J" in the type box.) If you enroll in a Joint Major or in a Double Major, follow the instructions outlined in the section below the list in Part 2. All other students should check the major box to see that the proper major is recorded. If entry is not correct, cross out the incorrect major, and obtain a "Major/Adviser Change Form" from the Registrar. This must be completed and returned to the Registrar before registration is complete.
   f. ADVISER: Members of the class of 1977 will be assigned a freshman adviser, but no entry should be made in the Adviser Box. Students in the class of 1976 should have

their new major adviser print his name in the Adviser Box, and sign on the line immediately below this box. All other students: your adviser's name will be printed in the Adviser Box. If a change in adviser is necessary, the proper form must be obtained from the Registrar's Office, completed, and returned to the Registrar.

FALL TERM REGISTRATION CARD 73-74

STUDENT NAME M 75 13402

INDICATE MAJOR: ECONOMICS

TYPE: S

FALL

Course No.	Instructor's Signature if a Permission Course
EC 260	Peter Stitt
AL 201C	
RE 301	
EC 500	

Types of Majors
Single - S
Double - D
Joint - J

If you chose a D or J Major, consult the current Registration Catalog for instructions

ADVISOR: CLAUDON

Advisor Approval

If you have registered for fewer, or more, than four credit-courses you must obtain the signature of a Dean

Dean's Approval

2. Official Majors:

American Literature	French
American Studies (History)	Geography
American Studies (Literature)	Geology
Art	German
Biology	History
Biology-Chemistry (Joint Major)	Italian
Chemistry	Mathematics
Classics	Music
Drama (English)	Philosophy
Economics	Physics
English	Political Science
Environmental Studies (Biology)	Psychology
Environmental Studies (Chemistry)	Religion
Environmental Studies (Geography)	Russian
Environmental Studies (Geology)	Sociology-Anthropology
Environmental Studies (Physics)	Spanish

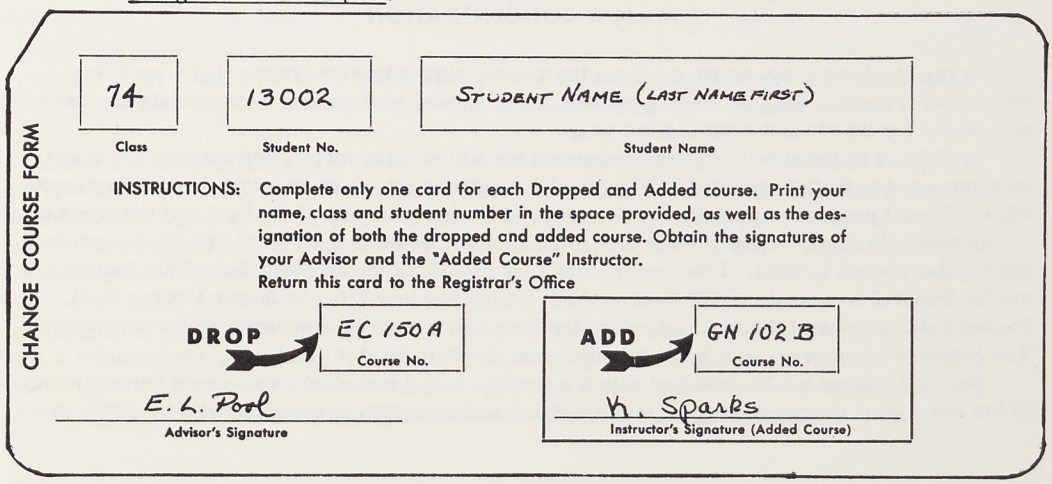
Joint Major: The Biology-Chemistry major (listed above) is a Joint Major, and the registration card must be signed by two advisers, one from each department. Other Joint Majors are programs that combine portions of two of the disciplines in the above list, arranged on an individual basis with the cooperation and approval of the departments concerned. These majors may be indicated on the registration card only after the required program is approved by both departments, and is on file with the Registrar. These majors should be recorded on the registration card by listing both of the departments involved (e.g. History-English), and writing "J" in type box. The card must be signed by two advisers, one from each department.

Double Major: A program in which the student fulfills the complete major requirements of two departments. These majors should be recorded on the registration card by listing both departments involved (e.g. Art-Music), and writing "D" in the type box. The card must be signed by two advisers, one from each department.

3. Student Activity Card:
   a. Complete this card, bringing it up-to-date with your previous and present activities.

4. Registration Procedure:
   a. Report to McCullough Gym with your Registration materials on Thursday, May 3rd, at the designated hour for your class.
   b. Pick up MID card.
   c. Stop at each table corresponding to the departments in which you wish to enroll. The departmental representatives will give you course cards and indicate times and course numbers on your Course Schedule Card. Go to single section courses first.
   d. When you have obtained a course card for each course in which you have been authorized to enroll, hand in your materials at the Check-Out table. Your registration is completed.
   e. When you arrive on campus next fall, your course schedule will be in your Proctor Hall Post Office Box.

5. Drop and Add Instructions: (see Sample below)
   a. After you have officially registered, all changes in courses or sections must be recorded in the Registrar's office on Change Course Forms.
   b. Use only ONE card to make a course drop and an add.
   c. Fill in the required information in the areas provided: Class, Student Number, Student Name (listing Last Name first), the course you are dropping (with section when appropriate), and the course you are adding (with section when appropriate). A Change Course Form is not needed for changes in laboratory sections, discussion sections, or drill sections.
   d. Obtain the signatures of both your adviser and the instructor of the course you are adding.
   e. Return the completed card to the Registrar's Office on or before the end of the two week period that follows the first day of classes.
   f. After the two week period is over, ALL course changes must be approved, in writing, by a Dean plus the other necessary signatures. No verbal permission of course changes will be accepted.


CHANGE COURSE FORM
74
Class
13002
Student No.
STUDENT NAME (LAST NAME FIRST)
Student Name
INSTRUCTIONS: Complete only one card for each Dropped and Added course. Print your name, class and student number in the space provided, as well as the designation of both the dropped and added course. Obtain the signatures of your Advisor and the "Added Course" Instructor.
Return this card to the Registrar's Office
DROP
EC 150A
Course No.
E. L. Pool
Advisor's Signature
ADD
GN 102B
Course No.
N. Sparks
Instructor's Signature (Added Course)

6. Late Registration:
   a. There is a $25 fine for failing to register on the date specified unless excused by the Dean of Students.

PHYSICAL EDUCATION REGISTRATION FOR 1973-74

All registrations for instructional classes in physical education are held in McCullough Gymnasium Office and registrations are held prior to the start of each of the five seasons during the college year. (See department section of this catalogue for program and other registration details.)

Fall Season Registration - September 10, 11, and 12 (9:00-12:00 and 1:00-4:00).

Fall Exemption Period - Students must sign-up for test appointments by 4:00 p.m. on September 10 for tests to be given on September 10, 11 and 12.

NORMAL PROGRAM

The normal program of study is four courses in each of the Fall and Spring Terms. R.O.T.C. courses and required Physical Education are carried as electives without credit as a course unit. No extra charge is made for these programs. Only students who have demonstrated superior ability in their academic work are permitted to take more than four courses in a term. Students who wish to take fewer or more than four courses in a Fall or Spring term must obtain permission from the Dean of Students.

FRESHMAN PROGRAM

All students must take in the freshman year one of the courses in the writing program: these include all courses in English-Drama at the 100 level, American Literature 101, and approved Winter Term writing courses. The successful completion of one of these courses is a graduation requirement. Students should begin work on their Physical Education Program during the Freshman Year. In general, only those courses numbered from 100 to 190 are open to freshmen. Freshmen enrolled in a course within a department, however, may be assigned to a more advanced course by that department upon demonstration of special proficiency. In these cases a departmental signature is required on the Registration Card. Freshmen may not elect more than one course in a subject in any one term. (AL 101 and courses in ED Freshman Writing Program may not be taken simultaneously).

MAJOR CONCENTRATION

In registering for his major program the student normally consults the chairman of his chosen department. The chairman appoints a departmental adviser who recommends a pattern of courses for the student's subsequent years.

In addition to the specific courses required for a particular major, cognate courses may be recommended to further the student's particular academic interests or intentions. Departments offer different programs of Senior Work adjusted both to the nature of the field and the needs of the student. Basically, a department may offer as many as three units of Senior Work outside the regular course pattern. This Senior work may consist of Independent Study (700 Course) and/or General Examination (705 Course unit), Senior Seminar (704) or Senior Course (710). Students should consult the descriptions of the Senior Work for each department for details. The Senior Work courses may be distributed over the Fall, Winter and Spring Terms.

Should a student not be satisfied with his first choice of major he may, before the beginning of his third year, change to another major. Prior to the change, however, he should obtain as-

surance from the department to which the change is contemplated that he will be able to meet its major requirements. To complete a change in major, a "Major/Adviser Change Form" must be obtained at the Registrar's Office, completed, and returned to the Registrar. After the beginning of the third year a student may change his major only for exceptional reasons and with the consent of the Dean of Students.

DEGREE REQUIREMENTS

Details on official policies regarding Degree Requirements, Departmental Programs, Grading, etc. may be found in the latest edition of the Middlebury College Handbook.

In addition to the freshman and major requirements, certain additional requirements must be met before the Middlebury College degree is awarded.

1. To be eligible for a degree a student must successfully complete 32 Fall and Spring term courses or their equivalent and 4 Winter courses. No more than 14 Fall and Spring courses may be in the same department. A minimum of 10 courses must be completed in the major. Not more than 6 courses with a D grade may be applied to the degree requirement.
2. The last academic year of undergraduate work must be spent in residence in Middlebury, except as provided in the Technical, Medical, and Dental School Plans.
3. All students are required to complete the Physical Education Program.
4. Transfer students are required to successfully complete 18 courses at Middlebury, one of which must be a Winter Term course.

SPECIAL PROGRAMS

Combined Professional School Plans and Premedical or Predental Programs. Students preparing for engineering, medicine, or dentistry should consult Advisers. Any freshman even tentatively committed to preprofessional studies should consult Dean Walter Moyer, Chairman, early in the Fall term, and should remain in contact with him during the entire stay at Middlebury.

Environmental Studies. Middlebury College offers an interdisciplinary major in Environmental Studies, with Fields of Emphasis in Ecology, Environmental Chemistry, and Environmental Geology, Human Ecology, and Environmental Physics. Students interested in this program should consult Professor H.E. Woodin, Coordinator of Environmental Studies, about specific course requirements. This program is best started in the freshman year. Consult Adviser.

Junior Year Abroad. Student interested in a Junior Year Abroad program should discuss their plans early with their faculty adviser and the Dean of Students. Consult Adviser.

Teacher Education Program. Middlebury offers an interdisciplinary program of courses to prepare interested students to teach elementary or secondary school by introducing them to the appropriate areas of scholarship in history, philosophy, psychology, and sociology in addition to courses offered in Teacher Education. For a complete description of this program, see Teacher Education course listings.

Military Science Program. The Army Reserve Officers' Training Corps (ROTC) unit provides a voluntary program in Military Science which prepares selected students for a commission as a Second Lieutenant in either the Regular Army or the Army Reserve. A complete description of the program is given with Military Science course listings.

Washington Semester Program. Selected students each year spend one term in the national Washington Semester Program administered by American University. Interested students should contact Professor Paul Nelson, Political Science Department.

Exchange Programs. Middlebury has an arrangement with Berea College in Kentucky for one to one student exchanges during the Fall and Spring Terms. For information about exchange programs see the Dean of Students.

Independent Scholar Program. The purpose of this program is to allow the student of demonstrated motivation and ability to define his individual educational goals and assume personal responsibility for attaining them independent of the College's normal curricular requirements. Students interested should consult the Chairman of the Independent Scholar Committee.

DEPARTMENTS OF INSTRUCTION

All courses are given as term courses with the exception of Senior Work (700) and 500 courses in an Honors Program. These course numbers may signify on-going work, and in such event are marked "S" (Satisfactory progress) or "U" (Unsatisfactory).

Courses numbered 100-199 are usually taken by freshmen; 200-299, by sophomores; 300-399 by juniors; 400-499, by seniors. Schedules are cleared on this basis and conflicts will thus be most easily avoided by taking courses in proper sequence.

At the head of each departmental section, the major is described and the requirements for a major in that department are stated, together with recommended courses.

Prerequisites to a course are shown in parentheses. Courses not being offered in 1973-74 are bracketed. Abbreviations include: Lab., laboratory period; Lect., lecture period.

The College reserves the right, without further notice, to cancel any courses herein described, or to make any other changes in staff, fees, and courses which may be deemed necessary.

The Departments of Instruction are organized in four Divisions: Humanities, Foreign Languages, Social Sciences, and Natural Sciences.

DIVISION OF THE HUMANITIES

American Literature
Art
English and Drama
Music
Philosophy
Religion

Division of the Foreign Languages

Classics
French
German
Russian
Spanish and Italian

Division of the Social Sciences

Economics
History
Political Science
Psychology
Sociology-Anthropology
Teacher Education

Division of the Natural Sciences

Biology	Mathematics
Chemistry	Physical Education and Athletics
Geography and Geology	Physics

Spring Term offerings listed for the year 1973-74 may be incomplete. Departments may be consulted about the possibility of other courses.

INTERDEPARTMENTAL

ID 100 Special Freshman Seminar Fall
Two credit course. An interdisciplinary investigation of modes of thought and methods of investigation. (Permission.) Mr. Carey

ID 101 Special Freshman Seminar (Spring) Mr. Carey
One credit course.

ID 300 The Meaning of Technology Fall
The course is designed to present to the general student in a Liberal Arts tradition the relevant philosophical, sociological and economic materials concerning the new Technological Society in which we live, while introducing him to pertinent technological learning processes in the framework of a laboratory setup. Course limited to fifteen students. (Permission.)
Mr. Harris

DIVISION OF FOREIGN LANGUAGES

In addition to the courses offered in the Departments of Classics, French, German, Russian, and Spanish and Italian, the Division of Foreign Languages offers the following courses which span the boundaries of its separate departments:

FL 340 The Art and Craft of Translation (Spring) Mr. Harris

FL 400 Language Learning: Theory and Practice Fall, Spring
An examination of the principles underlying the theory and practice of modern foreign language instruction. Attention will be given to current theories of language learn as well as to the new teaching methodologies developed in the last two decades. Consideration will be given to those findings of related disciplines, such as linguistics, psychology, anthropology, sociology and literature, which touch upon the problems of foreign language learning. There will be an introduction to resources available to foreign language teachers from professional associations, government agencies, and private industry. There will be discussion of bilingual education for linguistic minorities in the U. S. and a brief introduction to foreign-language testing. Observation of student teachers by fellow students and the instructor will form the basis for the practicum discussions. Meetings one day a week - evenings. Method of Instruction: Seminar and Observations. (Open to seniors and juniors by permission.) Mr. Paquette

For additional courses offered in English, see also:

RU 251	Russian Literature and Culture	Fall Mr. Motolanez
RU 353	The Russian Short Story	Fall Mr. Motolanez
SI 305	The Literature of the Spanish Speaking World	Fall Mr. Peel
SI 355	The Dawn of the Italian Renaissance	Fall Mr. Castiglione, Mrs. Castiglione

DIVISION OF HUMANITIES

HM 150 World Views and Human Questions (Spring) Mr. Bates, Mr. Nuovo, Mr. Rockefeller

AMERICAN LITERATURE

The major in American Literature is expected to develop an understanding of the major figures and the chief literary movements as manifested in the writings of both major and secondary figures. The interplay between the general culture and literature and the relationship of writers to one another are emphasized.

Required for the major: AL 101 or 201 and 202; AL 301 and 302; four other term courses in the Department; the Senior Program. Each major is required to take at least two courses in American history and two term courses in a non-American literature, the courses to be determined in consultation with his Faculty Adviser.

The Senior Program consists in a Fall Term seminar and a Spring Term Seminar which includes a General Examination.

Honors Program: Departmental honors are awarded on the basis of a Senior Thesis. To qualify as a candidate for honors one must have had an average of B or over for his previous work in the Department. In consultation with his Faculty Adviser and with the approval of the Department, he will select a topic for independent investigation in the Spring of his Junior year. In the Senior year he will take AL 700 (Senior Research) in the Fall Term and in either the Winter or the Spring Term.

An oral examination will be given on the thesis. The examination will be given by three faculty members, one of whom will ordinarily be a person from outside the Department. Highest Honors will be granted for a grade of A or above, High Honors for a grade of B+ or A-, Honors for a grade of B. For Honors in any of these categories he must also have a final average of B for all work in the Department and a mark of B on the General Examination.

The Freshman Writing Program

All students must elect in the freshman year one of the courses in the writing program: these include all courses in English-Drama at the 100 level, American Literature 101, and approved

Winter Term writing courses. These are courses designed to develop and improve the skills of written communication; they are taught in sections of limited enrollment, require frequent written assignments, and proceed through close correction of papers, class discussion of both particular and general problems of writing and, as may be necessary, individual conferences. Satisfactory completion of one of these courses is a graduation requirement. Freshmen wishing to satisfy this requirement by taking American Literature must register for AL 101.

AL 101, 201 American Literature — Fall, Spring
A study in the growth of American literature from the seventeenth century through the first half of the nineteenth century, as emerging from its cultural backgrounds, and the significance of its major writers: Edwards, Franklin, Cooper, Irving, Poe, Hawthorne, Emerson, Thoreau, Whitman, and others. (AL 101 satisfies freshman writing requirement.) Staff

AL 202 American Literature — Fall, Spring
A study in the growth of American literature from the second half of the nineteenth century to the present day, as emerging from its cultural backgrounds, and the significance of its major writers: Melville, Twain, James, Crane, Faulkner, Frost, Eliot, Stevens, Hemingway, and others. (AL 101 or 201.) Staff

AL 301 The American Novel — Fall
The development of the American novel: the meaning and structure of the novels of the nineteenth century focusing on particular novels of Cooper, Hawthorne, Melville, Twain, Howells, James, Norris, and Dreiser. (AL 202 or permission.) Mr. Munford

AL 302 The American Novel (Spring) — Mr. Munford

AL 303 William Faulkner — Fall
Seven strange years, four great books: a biographical study of the Squire of Oxford as he creates The Sound and the Fury, As I Lay Dying, Light in August, and Absalom! Absalom! (Limited to 30 students. See Mr. Munford for permission.) Mr. Hannah

AL 304 America's Coming of Age: Literature in America, 1890-1930 (Spring) Mr. Martin

AL 401 The American Short Story (Spring) — Mr. Beck

(AL 402 Emerson, Melville, Whitman) To be offered in 1974-75.

(AL 403 The American Landscape in Prose) To be offered in 1974-75.

AL 404 Modern American Poetry (Spring) — Mr. Stitt

(AL 405 American Criticism) To be offered in 1975-76.

AL 406 Black American Literature — Fall
An introductory study of the evolution of Black American poetry and prose narrative from the 19th Century to contemporary times. Literature to be studied will include selections of slave narratives, folk tales, folk sermons, speeches, short stories, poems, and novels. (Permission. Limited to 25 students.) Mr. Conron

(AL 407 American Biography) To be offered in 1974-75.

AL 408 Seminar: Henry James — Fall
A critical study of selected stories and novels of the writer considered to be "the architect of the modern novel." (Permission.) — Mr. Munford

AL 409 American Character: A study of the evolution of characterization in American Literature (Spring) — Mr. Conron

(AL 410 Seminar: Studies in Contemporary American Poetry) To be offered in 1974-75.

AL 412 Folklore and Mythology — Fall
An analysis of the backgrounds of American folklore with emphasis on the material as it serves both to form our cultural heritage and shape American Literature. (AL 101 or 201 or permission.) — Mr. Beck

AL 500 Special Research — Fall, Spring
Open to individual qualified majors. (Permission.) — Staff

AL 700 Senior Research — Fall, Winter, Spring
For Senior majors who are candidates for Departmental Honors. — Staff

AL 704 Senior Seminar — Fall
A study of general topics based upon selected readings of fiction, poetry and drama and on the students' general knowledge of the field of American Literature. Each student will present a short report and write a paper on a topic to be chosen in consultation with one of the participating faculty members. (Senior Majors.) — Mr. Munford

AL 705 Senior Seminar and General Examination (Spring) — Mr. Stitt

THE PROGRAM IN AMERICAN STUDIES

This program offers students an opportunity to work in related aspects of American culture in various departments and in Junior and Senior seminars which integrate the student's course of study.

The student will develop his program from a basis of four courses in one of the designated Core Departments. He will be designated as a major in American Literature-American Studies, History-American Studies, Political Science-American Studies, or Sociology-American Studies. He will have as his adviser a faculty member from the department he has designated as his major. The student's program will be determined in consultation with his faculty adviser who will indicate which courses satisfy the requirements both within and without the Core Department.

Faculty Advisers: Mr. Catton, Mr. Ferm, Mr. Haerle, Mr. Munford, Mr. Nelson, Mr. Stitt.

I. Four Core Departments
   Political Science
   Sociology-Anthropology
   American Literature
   History
   (with a possible Religion Core on independent basis within department)

*Required: FOUR courses as a core in one of these departments beyond the introductory level course.

II. Interdisciplinary Core

*Required: SEVEN courses on an introductory level:

2 semester History
2 semester American Literature
1 semester Political Science (102)
1 semester Sociology
1 semester American Religion

III. Related American courses -- any department other than the core department with adviser approval.

*Required: THREE courses

IV. Major higher level studies -- THREE credits

A) Junior Spring Term seminar (leading to thesis and writing of a lengthy paper) 1 credit

B) Thesis, Senior year (topic chosen before end of Junior year) and Spring seminar 2 credits

AS 400 Seminar in American Studies (Spring) Staff

An introduction to the literature and writing of American Studies, focused on a particular theme or aspect of the American experience.

AS 700 Independent Study Fall

For students who have qualified for the American Studies Senior Program by virtue of their work in AS 400, the Junior Seminar. Under the guidance of a faculty member, each student will do research on some aspect of American culture. (AS 400.)

AS 704 Senior Seminar - Thesis (Spring) Staff

In weekly meetings, students who have taken AS 700 will report on the results of their research for criticism and discussion, and assign common readings for the group. The thesis will be submitted at the end of the year, not later than April 15.

ART

Required for the major: In the belief that experience in both the practice and history of art constitutes the most rewarding program, the Department requires both AR 101, Introduction to Art and Art History (or AR 102, Twentieth Century Painting and Sculpture), and AR 103-104, Introduction to Design, of its beginning students. Completion of these courses with a grade of C or better qualifies a student for the major.

Students may complete their requirements in either of two ways:

Alternative A: six additional courses in the history of art, plus senior work.

Alternative B: four additional studio courses, and four additional courses in the history of art (two of which shall have as their subject art before 1800), plus senior work.

Senior work:

Alternative A: Students elect two terms of AR 700, normally Fall and Winter, and write a senior thesis.

or

Students elect two terms of AR 700 in areas in which they have already done course work, and write two senior essays.

Alternative B: Students elect at least two studio courses beyond the six required for the major.

or

With permission of the Department, students elect AR 700 in each of the three terms, and carry out a sustained studio project, in one medium.

Honors: are awarded to students who do outstanding work in studio or art history. Normally a senior thesis or a portfolio produced during senior year must be presented by candidates for honors.

AR 101 An Introduction to Art and Art History Fall
An introduction to the study of Western painting, sculpture, and architecture. Art works will be considered as objects of aesthetic significance, and in the broader context of both personal creation and cultural ambience. Two lectures and one discussion period. Freshmen and sophomores only. Mr. Hunisak

AR 102 Twentieth Century Painting and Sculpture (Spring) Mr. Hunisak

AR 103 Introduction to Design Fall
Line, color, form, subject matter and composition are studied separately and together in projects related to picture making so as to increase the students' comprehension of the picture as an expressive, visual language. Limited to 30 students. (AR 104 must be passed before credit for AR 103 will be given.) Mr. Markhoff and Mr. Steinbach

AR 104 Introduction to Design (Spring) Mr.Markhoff and Mr. Steinbach

AR 201 Art of the Italian Renaissance Fall
A selective survey of Italian art and architecture from 1250 to 1600, with an emphasis upon leading masters seen in their artistic, intellectual, and religious context.
Mr. Andres

(AR 203 The Art of China) To be offered in Fall 1974.

AR 204 The Art of India (Spring) Mr. Reiff

AR 205 Figure Drawing Fall
A studio course in the discipline of figure drawing. Working from the model, the student will make intensive study drawings concerning problems of proportion, distortion, scale, and motion. Limited to 30 students. Mr. Bumbeck

AR 206 Figure Drawing (Spring) Mr. Bumbeck

AR 207 American Art Fall
The intention of this course is to examine American Art and architecture in the context of its European heritage, particularly that of England. From colonial times to the Armory Show, selected problems will be considered to determine the extent of America's aesthetic dependence on Europe, as well as the degree to which an independent tradition has been established. Two lectures per week. Mr. Hunisak

AR 209 The Art of Japan Fall
A survey course emphasizing architecture, the development of the wood-block print, and Zen

painting, but considering as well, Buddhist sculpture, e-makimono, screen painting, ceramics, and sword furniture. No previous knowledge of Far Eastern culture or history is expected of the students. Mr. Reiff

(AR 301 Modern Architecture) To be offered in 1974-75.

AR 302 Baroque Art (Spring) Mr. Hunisak

AR 303 The Art of Northern Europe, 1300 to 1600 Fall
The Art of France, Germany and the Low Countries is seen as an extension and after life of earlier Medieval Art and as a response to the needs and taste of the rising middle class, as well as a reflection of the new humane spirit of the Italian Renaissance. A chief concern of the course will be the understanding of the historical development of northern realism.
Mr. Stone

AR 305 Painting and Sculpture of 19th Century Europe Fall
Painting and sculpture before and after the French Revolution, Neoclassicism, the Romantic movement, Realism and Impressionism primarily in France, with excursions into England, Germany, Italy, and Scandanavia. Mr. Reiff

AR 307 The Art of the City (Spring) Mr. Andres

AR 309 Painting Fall
Painting from nature and from still life, models and similar studio situations in various media, primarily oil. (AR 103, AR 104 or permission.) Mr. Steinbach

AR 310 Painting (Spring)
A continuation of AR 309. Mr. Steinbach

AR 311 Ancient Art (Spring) Mr. Andres

AR 313 The Art and Architecture of Medieval Europe, 700-1400 Fall
An introduction to the Medieval World, with emphasis upon its material richness and spiritual intensity as seen through the building, painting and sculpture of the Church. Particular stress is placed upon the development of non-national and non-realistic styles in painting and sculpture as a means of conveying the message of Christianity. Mr. Stone

AR 315 Printmaking Fall
Studio instruction in traditional and contemporary methods of intaglio and relief printmaking. Critical emphasis on the union of the printmaking craft with problems of drawing, painting and design. Limited to 20 students. (AR 103, AR 104 or permission.) Mr. Bumbeck

AR 316 Printmaking (Spring) Mr. Bumbeck

AR 319 Sculpture Fall
An introduction to sculpture. A variety of experiences in various media and diverse problems of design will be stressed. (AR 103, AR 104 or permission.) Mr. Markhoff

AR 320 Sculpture (Spring) Mr. Markhoff

(AR 401 Seminar in Renaissance Art) To be offered in 1974-75.

AR 402 Seminar in Modern Art (Spring) Mr. Reiff

AR 403 Seminar in Modern Vermont Architecture Fall
A study of traditional forms of Vermont architecture, their sources, and their local development. Students will work with individual structures or building types, gathering material which will be used to mount an exhibition in the Johnson Gallery. (Limited to 12 students.)
Mr. Andres

(AR 404 Seminar in Art Criticism) To be offered in 1974-75.

AR 406 The Origins of Monumental Sculpture in the Medieval West, 800-1130 (Spring)
Mr. Stone

AR 500 Advanced Studies in the Visual Arts
Supervised independent work in art history or studio. Staff

AR 700 Senior Independent Study Staff

BIOLOGY

The Department of Biology offers programs of study in a broad spectrum of areas, ranging from life processes at the molecular level to the interrelationships of whole organisms and their environments. The Major Program is designed to enable the liberal arts student to understand the biological world and man's role in it, as well as to prepare students for graduate and professional schools. The Department is well equipped to offer laboratory study and student research opportunities in many areas. In addition, the geographical location of Middlebury College, with thousands of acres nearby owned by the College or within the Green Mountain National Forest, provides an excellent outdoor laboratory for ecological studies.

Each student electing a Biology major plans his program of courses in close consultation with a faculty adviser within the Department. This program will include BI 110, other Biology courses to bring the total within the Department to at least 10, and at least 3 cognate courses chosen from the offerings of the departments of Chemistry, Physics and Mathematics. This procedure is intended to allow the student maximum flexibility in designing a major program which fits his individual interests while providing him the guidance needed to avoid mistakes which might hamper his future career.

A separate, joint major with Chemistry has been developed to enable students to study aspects of both fields without having to take all the courses prescribed for a pure major in either field. The Department also participates in the interdisciplinary Environmental Studies major. Special major programs involving biology and other fields can be arranged to suit individual needs.

Students planning careers which require graduate or professional school training involving biology should be familiar with the subject matter included in CH 101, CH 241, and CH 242; MA 112; and PH 109, and PH 110, in addition to their biology program. Some medical and graduate schools expect additional courses in mathematics and chemistry. Students who anticipate applying to graduate or professional school programs will be urged by their advisers to include appropriate courses in their programs.

The Department admits a limited number of graduate students as candidates for the Degree of Master of Science in Biology. The requirements of this program include research, a thesis, an oral examination, and some assisting in undergraduate laboratories.

Courses designated with an asterisk* may be taken without laboratory under the following conditions: (1) The stated prerequisites for the course must be met. (2) Students majoring in

Biology or jointly in Biology and other subjects may not count such courses toward the fulfillment of the major.

Required for a Major: BI 110; 9 elective courses within the Biology Department; 3 cognates chosen from Chemistry, Mathematics, and Physics. Courses with optional laboratories in Chemistry and Physics must be taken with laboratory to fulfill this cognate requirement. Recommended: see list above, advised as preparation for graduate and professional schools.

Required for a Joint Major in Biology and Psychology: see description under Psychology.

Required for a Joint Major in Biology and Chemistry: see description under Chemistry.

Required for an Environmental Studies - Biology Major: 5 upperclass Biology courses including BI 311 and BI 312, 6 cognates from Chemistry, Geology, Mathematics or Physics, 5 cognates from pertinent non-science disciplines including Geography, a knowledge of a modern foreign language and two senior-thesis courses in Biology.

Honors Program: students should apply during the Spring Term of the Junior year. Honors are awarded on the basis of an Advanced Study (BI 500) project of superior quality and satisfactory completion of requirements to be specified by the Department.

BI 103 Biology and its Implications for Humans Fall
A course designed for students not intending to major in Biology emphasizing to some degree the bearing of the findings of Biology on our own species. Topics to be discussed will include the relations of organisms to their environments; levels of organization from molecules to populations; cell and species continuity (genetics and evolution); human genetics; and animal and human behavior. Laboratories will both supplement and complement lecture material, and will include seminar discussions on such topics as population pressures and human behavior. 3 hrs. lect., 3 hrs. lab. Mr. McDonald

BI 110 Concepts of Modern Biology Fall
Designed for the student intending to major in biology or related fields, this course will provide a conceptual background for his later studies. The nature of adaptation at all levels of biological organization -- from molecules through cells and organisms to populations -- will be explored, as well as the basis of adaptation in gene action and its maintenance by natural selection. Lectures will discuss concepts in such areas as energy metabolism, plant and animal physiology, populations and communities, and speciation. Laboratory work, supplementing lecture material, will stress interpretation of information obtained from experiments and individual observations. 3 hrs. lecture, 3 hrs. lab. Mr. Bell

(*BI 201 Invertebrate Biology) To be offered in 1974-75.

*BI 203 Plant Form and Function Fall
An introduction to the major plant groups. The morphology and physiology of selected Fungi, algae, mosses and vascular plants will be explored in lecture and laboratory. The course will stress the morhphological and physiological adaptation of plants to the environment. An introduction to the taxonomy of local vascular plants is also included. Laboratory work will supplement the material presented in lecture, but the final exercise requires that the student devise his own approach to a practical or applied problem. (BI 110 and BI 103.) 3 hrs. lect., 4 hrs. lab. Mr. Greenwood

*BI 205 The Developmental Biology of Plants and Animals (Spring) Mr. Greenwood

BI 210 Biology of Vertebrates - Anatomy and Physiology Fall
Designed to acquaint students with form and function of the principal organs and organ systems of vertebrates. Gross anatomy and physiology is emphasized.
Fall: skeletal, muscular, respiratory, and circulatory systems.
Spring: digestive, excretory, nervous and endocrine systems. (BI 110) 3 hrs. lect., 4 hrs. lab. Mr. Fischer

BI 211 Biology of Vertebrates - Anatomy and Physiology (Spring) Mr. Fischer

(BI 305 Microbial Ecology) To be offered in 1974-75.

BI 311 General Ecology Fall
The organism in relation to the abiotic environment. A critical investigation into how the physical and chemical factors of fresh-water, marine and terrestrial habitats affect the position and number of organisms. Human ifnfluence on the natural environment will be considered. Laboratory exercises include field trips to study environmental parameters with two or more weekend trips to study a lake and its watershed as a sample ecosystem followed by laboratory analysis of data collected. Laboratory reports and term paper required. (BI 103 or 110) 3 hrs. lect., 3 hrs. lab. BI 311 and 312 may be taken in either order. Mr. Woodin

BI 312 General Ecology (Spring) Mr. Woodin

*BI 314 Genetics (Spring) Mr. Saul

*BI 316 Animal Behavior (Spring) Mr. McDonald

BI 350 Topics in Cellular Biology Fall
Topics will include the nature of cellular organelles in terms of their structure, function, and organization, and the modifications of cellular structures involved in cell specialization. A critical and experimental approach will be stressed in both lectures and the laboratory. (BI 110, CH 241 or permission.) 3 hrs. lect., 4 hrs. lab. Ms. Tepperman

BI 401 Advanced Genetics Fall
An examination of selected topics of current interest in various aspects of genetics, based on assigned readings from journals and symposia. In addition to faculty presentation there may be some student seminars; discussion will be encouraged. At least one paper will be required.
Mr. Saul, Mr. McDonald

BI 408 Current Problems in Cellular and Developmental Biology (Spring) Mr. Greenwood

BI 410 Adaptation and Evolution (Spring) Mr. Bell

BI 500 Advanced Study Fall, Winter, Spring
A project involving laboratory research or extensive library study on a topic chosen by the student and a faculty adviser. For majors in Biology. (Permission.) Staff

BI 750 Senior Work (Environmental Studies) Fall, Winter, Spring
Independent Study - Senior Thesis
Independent Study, normally involving a laboratory or field research project for any two of the

three senior terms. Required of Environmental Studies majors specializing in ecology. Not open to Biology majors. Staff

BI 900 Research and Thesis Fall, Winter, Spring
Required for all candidates for the Master's degree. Staff

CHEMISTRY

The Department of Chemistry believes that the basic program required of all majors provides a firm foundation in fundamental principles on which individual students may build to accommodate a variety of objectives including secondary school teaching, a position in industry or advanced work in graduate or professional school. Although non-majors may take, with the exception of CH 412, any laboratory course in the department without the laboratory, courses constituting a part of a major in chemistry must be taken with laboratory. The Department of Chemistry is accredited by the American Chemical Society and students taking the appropriate electives may be certified by the Society.

Required for a Major: CH 101*, CH 131, CH 211, CH 241, CH 242, CH 351 plus four elective courses within the Department; MA 112, MA 113, PH 109 and PH 110. Two, or three units of independent study may be included in the four required chemistry electives. Students with a professional interest in chemistry are encouraged to elect CH 341, CH 352, CH 412 CH 431, CH 452, two course credits of independent study, MA 201, MA 202 and GN 101, GN 102 or RU 101, RU 102.

Joint Major in Biology and Chemistry: Required for a major: Biology BI 110, and four electives in Biology; Chemistry: CH 101*, CH 131, CH 211, CH 241, CH 242, CH 351; MA 112, MA 113, PH 109, PH 110 and three additional electives from Biology, Chemistry, Mathematics or Physics.

A deposit fee to cover cost of broken apparatus is charged in each laboratory course, to be paid at the beginning of each term.

*CH 101 is the normal introductory course in Chemistry. However, many students qualify for permission to omit CH 101 and begin their studies in Chemistry with CH 211 or CH 131, or CH 241. Consult the Chairman of the Department.

CH 101 Fundamentals of Chemistry Fall and Spring
Fundamental principles of Chemistry. Atomic theory and atomic structure, chemical bonds, stoichiometry, kinetic theory and the states of matter. Problem drill, conferences. Laboratory work deals with the testing of theories by various quantitative methods. Students with adequate secondary school preparation are encouraged to consult the Department for permission to elect Chemistry CH 211, CH 131, or CH 241 in place of this course. 3 hrs. lect., 4 hrs. lab. Breakage fee. Mr. Gleason

CH 107 Same as CH 101 but without the laboratory.

(CH 102 Environmental Chemistry) To be offered in 1974-75.

(CH 108 Same as CH 102 but without the laboratory.)

CH 131 Systematic Inorganic Chemistry Fall and Spring
A systematic study of the elements and their compounds based on the Periodic Table. The isolation of the elements from their natural sources, and the synthesis of some important types of inorganic compounds. The properties of selected elements and their compounds are discussed in class and/or studied in the laboratory using various analytical methods. (CH 101 or permission.) 3 hrs. lect., 3 hrs. lab. Breakage fee. Mr. Pool

CH 137 Same as CH 131 but without the laboratory.

CH 211 Analytical Chemistry I (Spring) Mr. Pool

CH 217 Same as CH 211 but without the laboratory. (Spring) Mr. Pool

CH 241, CH 242 Organic Chemistry I and II Fall and Spring
An introduction to the study of the compounds, both aliphatic and aromatic, of carbon. The approach is based on the properties of functional groups with considerable emphasis on electronic theory and reaction mechanisms. Laboratory exercises involving the synthesis of organic compounds, the analysis of various classes of compounds and the identification of unknowns complement the lecture material. (CH 101 or permission; CH 241 must precede CH 242.) 3 hrs. lect., 6 hrs. lab. Breakage fee. Mr. Ledlie, Mr. Harnest

CH 247, CH 248 Same as CH 241, CH 242 but without the laboratory.

CH 341 Organic Chemistry III Fall
Fundamental organic chemistry beyond the monofunctional compounds. Heterocyclic and polyfunctional species are emphasized, including treatment of monosaccharides, disaccharides and amino acids. The main focus of the laboratory will be identification of organic compounds with heavy reliance on modern instrumentation, particularly infrared and nuclear magnetic resonance spectroscopy. Experience will be gained in handling mixtures as well as single compounds, but identification requirements will be tailored not to exceed the specified six hours of laboratory work. (CH 242). 3 hrs. lect., 6 hrs. lab. optional. Breakage fee. Mr. Ledlie

CH 347 Same as CH 341 but without the laboratory.

CH 351 Physical Chemistry I Fall
A study of the properties of gases, liquids, and solutions. The laws of thermodynamics are developed and applied to simple chemical systems and to chemical equilibrium. Chemical kinetics is treated empirically with consideration given to the order and molecularity of reactions and the effect of temperature. (MA 113, PH 109, plus 2 semester courses in chemistry.) 3 hrs. lect., 4 hrs. lab. Breakage fee. Mr. Roberts

CH 357 Same as CH 351 but without the laboratory.

CH 352 Physical Chemistry II (Spring) Mr. Schuh

CH 358 Physical Chemistry II without laboratory (Spring) Mr. Schuh

(CH 412 Advanced Analytical Chemistry) To be offered in 1974-75.

CH 421 Biochemistry Fall
An in depth study of the structure and function of macro-molecules. The physical and chemical

properties of proteins, enzymes, and nuclic acids are studied. Topics include: techniques of isolating and determining the physical properties of proteins, the biological function of enzymes and enzyme kinetics, and a physical description of the function and behavior of nucleic acids. (CH 242, CH 351, or permission; Biology BI 110 is recommended.) 3 hrs. lect. Mr. Schuh

CH 422 Biochemistry (Spring) Mr. Schuh

CH 431 Advanced Inorganic Chemistry Fall
Atomic structure; molecular structure by valence bond and molecular orbital treatment; transition metal complexes according to valence bond, molecular orbital, crystal field, and ligand field theories. Relations of atomic and molecular structure to chemical and physical properties. Other topics such as crystal chemistry, acid-base theories, solvent systems, and nuclear chemistry. (CH 131 and four additional courses in Chemistry.) 3 hrs. lect. Mr. Roberts

(CH 442 Advanced Organic Chemistry) To be offered in 1974-75.

CH 443 Advanced Organic Chemistry (Spring) Mr. Gleason

(CH 452 Physical Chemistry III) To be offered in 1974-75.

CH 500 Independent Study Project Fall, Winter, Spring
Individual Study for qualified students. Permission. Breakage fee. Staff

CH 700 Senior Work Fall, Winter, Spring
Senior majors may register for two or three course equivalents. The student plans and carries out a laboratory research project generally related to current faculty research interests. This work is normally culminated by the writing of a senior thesis.

CLASSICS

The principal aims of courses in the Classics are to enable the student to attain a rapid and accurate reading knowledge of Greek or Latin, and then to read broadly while developing critical skill and a sense of the art of language. Greek and Latin literatures are understood to be an embodiment of deep spiritual and artistic concern, and the major literary achievements are studied in this light. Students contemplating a major should talk with the Chairman.

Latin

CL 101 Elementary Latin Fall
An introduction to the Latin language and literature. Grammar, exercises and readings from the textbook will be supplemented with selections from ancient and medieval prose and poetry. (CL 102 must be passed before credit for CL 101 is given.) Miss Heibges

CL 102 Elementary Latin (Spring) Miss Heibges

CL 201 Intermediate Latin Fall
Selections from Cicero's Orations, Philosophical Essays and Livy's Ab Urbe Condita will be read and discussed against their historical background. A stylistic analysis of the two Latin prose writers will be combined with a grammar review. (Prerequisite: CL 101-2, or two or three years of secondary school Latin.) The class meets three hours a week. Miss Heibges

CL 202 Intermediate Latin (Spring) Miss Heibges

CL 301 Advanced Latin Fall
One of the following courses will be offered depending on the interests or needs of the students:

a) Roman Drama: Two Comedies of Plautus
b) Latin Lyric Poetry: Catullus and Horace
c) Roman Philosophy: Selections from Cicero and Seneca
d) Roman Satirical Writing: Lucilius and Horace
e) Roman Historiography: Caesar and Sallust
f) Vergil: An intensive study of two books of the Aeneid
g) Ovid: Selections from the Metamorphoses

Miss Heibges

CL 302 Advanced Latin (Spring) Miss Heibges

Greek

(CL 103-104 Elementary Greek) To be offered in 1974-75.

CL 203 Intermediate Greek Fall
An introduction to Greek drama through the writings of Euripides. (CL 103, 104 or equivalent.)
Mr. Harris

CL 204 Intermediate Greek (Spring) Mr. Harris

CL 550 Independent Study Fall and Spring
Students will select an author or area not previously studied and work largely on their own, conferring weekly with the staff about problems in language and interpretation as they arise.
Staff

See also Division of Foreign Languages.

ECONOMICS

The Major concentration is composed of two introductory courses; two "core" courses--Microeconomic Theory and Macroeconomic Theory; and eight elective courses two of which must be at the "400" level. An Honors Seminar is offered for senior majors.

The Department strongly recommends that Economics majors take MA 112 (Mathematical Analysis I) and/or EC 415 (Mathematical Economics) early in their program. Majors should also consult with their Department adviser for other appropriate cognate courses.

A student may pass either EC 150 or EC 155, the introductory courses, by taking qualifying examinations.

Students considering graduate programs in: Economics, are urged to take EC 210, EC 410, and EC 415; Business, EC 210, EC 220, and EC 320; Law, EC 220.

EC 150 Contemporary Economic Problems Fall and Spring
An introduction to economic problem solving for students seeking to achieve a better understanding of the economic forces governing society. Staff

EC 155 Introduction to Economic Thinking Fall and Spring
A study of scarcity and its impact on rational behavior--introducing concepts such as demand,

supply, cost, wealth, efficiency, profits. Principles are applied to a variety of current problems: pollution control, automation, rent control, minimum-wage legislation, the military draft, price-supports, and market concentration. Staff

EC 210 Economic Statistics I Fall
An introduction to the basic principles of statistical analysis and their applications. Mr. Waters

EC 220 Principles of Accounting Fall and Spring
Accounting procedures for proprietorships and corporations with maximum emphasis on theoretical considerations involved. (This course is strongly recommended for all students anticipating graduate study in law or business.) Mr. Smith

(EC 230 The Industrial Revolution and Its Antecedents) To be offered in 1974-75.

EC 260 Consumer Economics (Spring) Mr. Smith
(EC 150 or EC 155)

(EC 270 Public Finance) To be offered in 1974-75.

EC 320 The Economics of Corporate Behavior (Spring) Mr. Smith

EC 330 The Economics of Development (Spring) Mr. Wolff

EC 335 Comparative Economic Systems Fall
An analysis of the alternative methods proposed and used for solving the universal economic problems under different social and political philosophies and forms of government. (EC 150 or EC 155) Mr. Wolff

EC 350 Macroeconomic Theory (Spring) Ms. Schneider

EC 355 Microeconomic Theory Fall
An analysis of the modern theory of consumer behavior and demand, production and cost, the firm and market organization, income distribution, and general equilibrium and economic welfare. (EC 155) Mr. Waters

EC 360 Urban Economics (Spring) Ms. Schneider

EC 365 Environmental Economics Fall
An examination of the problems which must be resolved as society considers the costs of preserving or improving its environment versus the benefits from such expenditures. (EC 150 or EC 101 or EC 102.) Mr. Smith

EC 370 Monetary Theory and Institutions (Spring) Ms. Schneider

(EC 410 Economic Statistics II) To be offered in 1974-75.

EC 415 Mathematical Economics (Spring) Mr. Waters

EC 440 International Trade (Spring) Mr. Claudon

(EC 450 History of Economic Thought) To be offered in 1974-75.

EC 460 Industrial Organization and Public Policy Fall
The structure and performance of American industry in the light of economic theory are closely examined. Public policies toward business are reviewed and evaluated. (EC 355.) Mr. Claudon

(EC 470 Macroeconomic Policy) To be offered in 1974-75.

EC 480 Radical Economics (Spring) Mr. Craven

EC 485 Labor Economics Fall
Economics of manpower and the labor market; the role of unions; labor legislation. (EC 355.)
Mr. Craven

EC 490 Honors Seminar Fall
Individual research topics selected. Problems of research methodology common to the group are studied and discussed. Bibliography and tailed outline are developed under close supervision. (Permission.) Ms. Schneider

ENGLISH AND DRAMA

The Department offers majors in English Literature and in Drama. The symbol ED is used to designate all courses offered by the Department, e.g., ED 103, ED 235, ED 442, etc.

Because of the varied nature of the Department's offerings, courses are differentiated by their second and third digits in the following manner:

Literature (00-19)	Theatre Arts (40-59)
Dramatic Literature (20-39)	Writing (60-79)

The Freshman Writing Program

All students must elect in the freshman year one of the courses in the writing program: these include all courses in English-Drama at the 100 level, American Literature 101, and approved Winter Term writing courses. These are courses designed to develop and improve the skills of written communication; they are taught in sections of limited enrollment, require frequent written assignments, and proceed through close correction of papers, class discussion of both particular and general problems of writing and, as may be necessary, individual conferences. Satisfactory completion of one of these courses is a graduation requirement.

ED 101 Narrative Fiction Fall and Spring
An encounter with the complex fictional worlds of D.H. Lawrence, James Joyce, William Faulkner, and other writers, mostly from the modern period. The student assesses and writes about personal experience in papers which serve as introductions to the novels and short stories. As the relevance of personal experience diminishes, the student moves beyond it, in writing, to a sense of the validity of the reading experience itself. These papers, together with the fictional works, form the topic of class discussion. Mr. Price and Staff

ED 103 Lyric and Narrative Poetry Fall and Spring
The course concentrates on close analysis of selected poems both traditional and modern, mainly on the themes of romance and marriage. It will savor the musical, metaphorical and dramatic aspects of poetry, the relationship between voice and implication, between sound and sense. "Every poem is a new metaphor inside or it is nothing."--Robert Frost. "I do not know which to prefer./The beauty of inflections/or the beauty of innuendoes."--Wallace Stevens. Staff

ED 105 Drama Fall and Spring

Play within play: an examination of how the theatre and the cinema sometimes take their own forms as a principal motif and a central figurative convention. Works studied will include Shakespeare's A Midsummer Night's Dream and Twelfth Night; Johnson's Volpone; Beckett's Endgame; Vigo's Zero de Conduite; and Fellini's 8 1/2. Mr. Teush and Staff

ED 160 Writing I Fall

The examination of the multiple self through writing. The subject matter of the course is provided in the main from the student's own experience. Students submit written work for each class and thereby supply subjects for discussion in subsequent classes. Mr. Hill and Staff

ED 170 Prose Fiction I Fall and Spring

An apprenticeship in short forms of prose through writing, reading and discussion. Each student will write from his or her own responses to experiences in order to learn to create structures deliberately and to manipulate points of view consciously. Readings will include modern fiction and non-fiction (short stories, essays, reportage, propaganda). Mr. Martin and Staff

ED 175 Poetry I Fall and Spring

Each student will write at least one poem a week, exploring a variety of poetic forms. The class will examine closely and critically poems written by students and published poets, when possible tracing development of published poems through drafts. Mr. Pack

Major Programs

Required for a Major in English are (1) Interpretation of Literature: an Historical Approach (ED 201-202) or Forms and Styles of the Theater: an Historical Approach (ED 241-242); (2) Distribution Courses: five courses in literature, one chosen from each of the following groups: A, ED 211, 227, 308, 404; B, ED 224, 303, 304, 321; C, ED 206, 305, 306; D, ED 207, 235, 313, 314, AL 301; E, ED 208, 212, 325, 326, AL 302, AL 404; (3) the Senior Program.

The Senior Program in English includes a Senior Essay or Honors Thesis and the General Examination. The Senior Essay is a one-term project; the Honors Thesis is a two-term project. Majors who have taken a writing course and an independent study project in writing may petition to undertake a creative writing project as Senior Essay or Honors Thesis. Each Senior is assigned to a faculty member for guidance in his essay or honors thesis. The General Examination receives one course-credit. The examination will be based on a general reading list and on the reading list of the Distribution Courses. Departmental honors will be awarded on the basis of grades in the General Examination and the Honors Thesis or the Senior Essay.

Required for a Major in Drama are (1) Forms and Styles of the Theater: an Historical Approach (ED 241-242) or Interpretation of Literature: An Historical Approach (ED 201-202); (2) Distribution Courses: four courses in dramatic literature including Greek and Roman, Shakespeare, Nineteenth Century, and Modern; (3) Two additional courses in the 40-series (theatre arts); (4) Participation in three production seminars, not necessarily for credit; (5) the Senior Program.

The Senior Program in Drama includes a Senior Project or Honors Project and the General Examination. (See details under English Major.) Each senior is expected to master a general reading list and review the reading lists of his Distribution Courses and his work in other theatre arts courses. Honors will be awarded as for the English Major.

Upper Division Courses

Literature

ED 201 Interpretation of Literature: Chaucer, Shakespeare, and Milton Fall
Major works by Chaucer, Shakespeare, and Milton will be considered: The Canterbury Tales (selections); three plays by Shakespeare; Paradise Lost. (Sophomores, Juniors, Seniors)
Mr. Hill and Staff

ED 202 Interpretation of Literature (Spring) Mr. Hill and Staff

(ED 206 The Early Novel) To be offered in 1974-75.

ED 207 Nineteenth Century Fiction Fall
Analysis of form and theme in representative English novels of the nineteenth century. Novelists to be read include Gaskell, Dickens, Thackeray, the Brontes, Eliot, Hardy and James.
Ms. McDaniel

ED 208 The Twentieth Century English Novel Fall
A study of works by Conrad, Joyce, Lawrence, Forster, Woolf and Ford. Background readings from such figures as Bergson and Freud will attempt to define the intellectual context within which the modern novel has developed. Mr. Elder

ED 210 Comparative Fiction (Spring) Mr. Hannah

(ED 211 Classics of Literature: Greece) To be offered in 1974-75.

ED 212 Modern British Poetry Fall
Through careful analysis of the style and thought of representative poems, this course will examine the work of the following poets: Hardy, Hopkins, Yeats, Auden, Thomas, Larkin, and Hughes. The themews of the making or the choosing of the self (Yeats: "Myself I must remake") through praise and lamentation, and the leaving of an inheritance, will be emphasized.
Mr. Pack

ED 303 Introduction to Literature of the English and Continental Renaissance: 1500-1610 (Spring) Staff

(ED 304 Poetry and Prose of the Age of Milton) To be offered in 1974-75.

ED 305 Poetry and Prose of the English Augustan Age Fall
A critical investigation of the artistic achievement of major writers from 1660 to 1745, conducted primarily in terms of their evaluation of the political, religious, social, moral, intellectual and aesthetic activities of the times. Figures studied are Dryden, Addison and Steele, Swift, Pope, and Gay. Mr. Littlefield

(ED 306 Prose and Poetry of the Age of Johnson) To be offered in 1974-75.

(ED 308 Classics of Literature: Rome) To be offered in 1975-76.

ED 313 Prose and Poetry of the Romantic Period Fall
Reading in selected poetry and prose of Blake, Coleridge, Wordsworth, Keats, Shelley and Byron. (Sophomores by permission.) Mr. Hill

ED 314 Prose and Poetry of the Victorian Period (Spring) Staff

ED 401 Seminar: Chaucer Fall
The Canterbury Tales will be read in Middle English, with consideration of intellectual, historical, and cultural background, and developments in Gothic style during the fourteenth century. Limited to 15 students. (Permission.) Mr. Martin

ED 404 Chaucer (Spring) Mr. Halpern

ED 405 Seminar: D. H. Lawrence Fall
A study of selected short stories, poems, critical essays, travel literature, a few novellas, and the major works of fiction, including Sons and Lovers, The Rainbow and Women in Love. Limited to 15 students. (Permission.) Mr. Price

ED 407 Seminar: (to be announced) (Spring)

ED 408 Seminar: (to be announced) (Spring)

ED 409 Seminar: (to be announced) (Spring)

Dramatic Literature

(ED 224 English Drama to 1642) To be offered in 1974-75.

ED 227 Greek and Roman Drama (Spring) Mr. Littlefield

ED 235 Sources of Contemporary Drama (Spring) Mr. Teush

ED 321 Shakespeare Fall
An intensive scrutiny of language, character and theme in Julius Caesar, Twelfth Night, Hamlet, King Lear, Macbeth. (Juniors and Seniors) Mr. Cubeta

ED 322 Shakespeare (Spring)
See description for ED 321. (Juniors and Seniors) Mr. Cubeta

(ED 325 Modern Drama: 1870-1920)

ED 326 Modern Drama to the Present Fall
A study of major trends in European, British and American Drama: avant-garde; anti-social heroics; the domestic middle way. Among the playwrights to be studied are Artaud, Brecht, O'Neill, Genet, Osborne, Arden, Wesker, Pinter and Shepard. Mr. Teush

ED 327 American Drama (Spring) Mr. Volkert

ED 421 Seminar: George Bernard Shaw Fall
A study of Shaw as theorist and playwright based on a representative group of plays along with their prefaces and postscripts and selected critical writings. Plays for study will be chosen from among: Mrs. Warren's Profession, The Devil's Disciple, Caesar and Cleopatra, Man and Superman, Major Barbara, Pygmalion, Heartbreak House, Back to Methuselah, St. Joan, In Good King Charles' Golden Days and others. Limited to 15 students. (Permission.)
Mr. Volkert

Theatre Arts

ED 241 Forms and Styles of Theater: An Historical Approach — Fall
Coordinate study of the development of the theater and of the literature of the theater: from the classic theater of Greece and Rome to the Renaissance, including works by Aeschylus, Sophocles, Euripides, Aristophanes, Plautus, Terence, Marlowe, Shakespeare, Corneille, Moliere, Racine and Dryden. Mr. Littlefield and Staff

ED 242 Forms and Styles of the Theater: An Historical Approach (Spring) — Staff

ED 245 Style: Acting and Directing — Fall
An exploration of modern approaches to interpreting a play on stage. The theories of Stanislavski, Brecht, Grotowski, Spolin and others will be examined in relation to selected plays by modern playwrights. Each student will take part as actor or director in a final project of his choice. From this course 500 projects or senior projects may be developed. (Permission: preference will be given to upperclassmen.) Mr. Volkert

(ED 249 Style: Design (Stage and Scene)) To be offered in 1974-75.

(ED 250 Continuation of ED 249) To be offered in 1974-75.

ED 251 Style: Design (Costume) (Spring) — Mr. Potter

ED 252 Style: (Lighting) — Fall
A study of the principles, theories and methods of stage lighting and their application to various stage forms. (ED 249, ED 250 or permission.) Mr. Potter

ED 346 Style: Acting and Directing (Spring) — Mr. Volkert

Production Seminars:
The Department offers a production seminar in conjunction with each major production. Students enrolled in these seminars take part in a two or three week period of intensive study of the play and then participate in the production of the play. Each student, with the approval of the department, defines the nature of his participation: actor, stage manager, critic, literary historian, or designer, etc. Participation may vary from playing a major role to writing an extended critical essay about the playwright. Open to freshmen and upperclassmen. (Permission.)

ED 441 Acting and Directing — Fall
Mr. Volkert

ED 442 Production — Fall
Mr. Potter

ED 443 Acting and Directing (Spring) — Mr. Teush

ED 444 Production (Spring) — Mr. Potter

Cinema

(ED 451 Film-Making)

Writing

ED 260 Factual Writing — Fall

This course offers a varied experience in factual, as opposed to fictional, writing. Each student will write a narrative; an exposition; an argument; an informal essay; an analysis; and a formal research paper, with footnotes and bibliography, subject to be chosen by the student.

Mr. Clagett

ED 270 Prose Fiction II — Fall and Spring

With the advice and editorial assistance from the instructor, students will undertake more ambitious writing projects in order to develop their talents and to broaden their sense of technique and style. Students may choose to write stories, novelettes, novels, or, in special cases, plays. Limited enrollment. (Permission.)

Mr. Clagett
Mr. Hannah

ED 275 Poetry II (Spring) — Staff

ED 279 Techniques of Research (Spring) — Mr. Clagett

Advanced Writing: Students may undertake advanced writing at the 500 or 700 levels. Candidates are asked to submit a description of their project and samples of their writing to a departmental committee two weeks before registration.

Special Projects

The Department will consider applications from qualified students who wish to undertake special projects in literature, dramatic literature, writing, directing, theatre arts, or film. A student proposing to undertake such a project should submit a detailed proposal to his adviser two weeks prior to registration.

ED 500, 520, 540, 560 Special Projects — Fall or Spring

Staff

Senior Program

The Senior Program includes a General Examination (ED 705) and a one-term Senior Essay or a two-term Honors Thesis (ED 700, or 740, or 760). Normally all seniors register for one unit of ED 700, 740, or 760 in the Fall Term and take the General Examination (ED 705) in the Winter Term. Students undertaking two-term Honors Theses programs register for and complete them during Spring Term.

All Senior Essays (one-term writing programs and projects) must be completed no later than the end of the first week of Winter Term. Late essays will receive a grade of no higher than C. No essays will be accepted after the end of Winter Term. All Honor Theses (two-term writing programs and projects) must be completed no later than the end of the second week of classes after Spring Recess. Late theses will receive a grade no higher than C and will have no oral examination or outside reader. No Honor Theses will be accepted after May 1. No one is permitted to register for the second term in an Honors Thesis program unless he or she has accomplished and submitted a substantial amount of work during Fall Term.

FRENCH

The French Department seeks to develop students' interest and competence in linguistic communication, ability to read and criticize literature in French, and familiarity with the major themes and perspectives of the French-speaking world.

We consider command of the French language to be the essential ingredient and prerequisite to serious and successful pursuit of such aims. On the other hand, we recognize that an individual student may choose to pursue one of the interrelated areas in particular, and that in any case a successful major in French will benefit not only from these interrelations but from work in related areas of intellectual activity, such as other languages and literatures, fine arts, history, philosophy, sociology, etc. Accordingly, requirements for the major are designed to develop a student's ability to read and discuss relatively complex literary and social documents, and thereafter to leave him sufficient freedom to pursue his own particular bent, in consultation with his adviser. Students planning to do graduate work should concentrate on genre and historical courses, FR 309-321.

Required for the major: FR 205-206 or its equivalent; four courses at the 300 level or above. Total of not less than 10 courses, not more than 14.

Language

FR 101 Beginning French — Fall
Hearing and speaking French, with reading as a reinforcement, and grammar to help in consolidating and diversifying the patterns. Students will be encouraged to use the spoken language actively and personally. 3 class meetings and 2 drill sections per week. (For students who have already studied another foreign language. Others by permission.) Mr. Barenbaum

FR 102 Beginning French (Spring) — Mr. Barenbaum

FR 201 Syntax, Reading, Oral Practice and Writing — Fall
Reading and discussion of a modern play and a few articles from current French periodicals. Review of grammar according to the class's needs. Students will write a few compositions. (For students with 3 or 4 years of average preparation in the language.) Mr. Barenbaum & Staff

FR 202 Syntax, Reading, Oral Practice and Writing (Spring) — Mr. Barenbaum & Staff

FR 205 Liberated Expression — Fall and Spring
A course designed to increase and perfect the student's ability to express himself in spoken and written French. Emphasis will be placed on diction, clarity, variety, and the expression of abstractions. Sections limited to 15 students. Mr. Knox and Staff

FR 206 Liberated Expression — Fall and Spring
Continuation of FR 205. Emphasis on social use of the language, via analysis and discussion of articles in L'Express, to which students will subscribe. Introduction to themes and issues in contemporary French society. Mr. Knox and Staff

Literature

FR 209 Introduction to Critical Reading — Fall
Study of the elements and structures of the literary work, from a generic rather than an historical viewpoint: poetry and drama. The student will develop and demonstrate his ability to criticize literature in class discussions and papers. Mr. Thiher and Staff

FR 210 Introduction to Critical Reading (Spring) Mr. Thiher and Staff

(FR 211 Creative Writing) To be offered in 1974-75.

FR 305 Advanced Language Practice Fall
Intensive work in composition, stylistics, grammatical analysis and translation. Special attention will be given to lexical precision and differentiation between spoken and written language.
Mr. Simon

(FR 309 The Renaissance) To be offered in 1974-75.

(FR 310 Moralistes and Philosophes) To be offered in 1974-75.

FR 312 The French Novel from La Fayette to Laclos Fall
Readings in the novel and conte, largely in the eighteenth century, with special emphasis on vraisemblance, morality and sentiment, the concept of the hero, and the relation of the novel to Enlightenment thought. Ms. Rifelj

(FR 316 Nineteenth Century Poetry) To be offered in 1974-75.

FR 317 Modern French Theater Fall
Readings of plays and criticism that illustrate the main trends in modern French theater. Readings will include plays by Jarry, Cocteau, Giraudoux, Montherlant, Sartre, Ionesco, Beckett and Genet. Mr. Thiher

(FR 318 Modern French Poetry) To be offered in 1974-75.

(FR 319 The Modern Novel Between The Wars) To be offered in 1974-75.

(FR 320 The Contemporary Novel) To be offered in 1974-75.

(FR 321 The Classical Theater) To be offered in 1974-75.

FR 325 The Novel After 1850 (Spring) Ms. Stern

FR 331 Images of Women from Corneille to Laclos (Spring) Mr. Knox

(FR 335 Short Fiction in the Nineteenth Century) To be offered in 1974-75.

FR 350 French Cinema (Spring) Mr. Thiher

(FR 411 French Civilization) To be offered in 1974-75.

(FR 412 French Civilization) To be offered in 1974-75.

FR 413 Aspects of Contemporary France Fall
A critical introduction to modes of life and thought in contemporary France. Special attention to such topics as the family, education, the urban and rural environments, and patterns of work and leisure. Mr. Knox

FR 442 Workshop in French Theater (Spring) Mr. Barenbaum

FR 500 Independent Projects — Fall and Spring
Qualified undergraduates may be permitted to undertake a special project in reading and research under the direction of members of the Department. — Staff

FR 700 Senior Research — Fall, Winter, Spring
For Senior majors who are candidates for Departmental Honors. — Staff

FR 705 Senior Seminar (Spring)

See also Division of Foreign Languages

GEOGRAPHY AND GEOLOGY

Geography

The essence of geographic study is the analysis of phenomena in a spatial context, especially the "where" and "why" of human activities. In their attempt to explain the differences which exist from place to place over the earth's surface, geographers collect, analyze, and integrate data from both the physical and social sciences. They examine such physical elements as landforms, climate, soils, and vegetation and interpret them in terms of the distribution of people, their ways of making a living, and the social and political patterns they have developed. Because man's perception of the environment and his interactions with it are constantly changing, geography seeks to understand how present world patterns have evolved from the past and how they might be modified in the future.

Required for a Major: GG 101, GG 102, GG 201, GG 202, GG 302, GG 401, one regional course numbered from GG 311 through GG 317, and Senior Research (GG 700). In the Spring Term of their Junior year, majors will be required to select a topic for a senior thesis in consultation with a departmental adviser. The Fall and Winter Terms of the Senior Program are devoted to the writing of the thesis and the Spring Term is devoted to its oral presentation, defense, and final editing for submission no later than May 1. The Department also participates in the interdisciplinary Environmental Studies major through the Human Ecology option.

Cognate courses for a Major in Geography range over a broad field and should be selected from other departments according to one's interest in Geography, and with the approval of the adviser. Students contemplating graduate studies and/or professional careers in city and regional planning may also avail themselves of Independent Projects in Spatial Analysis and Human Ecology (GG 500) designed to meet their special needs.

GG 101 Introduction to Spatial Analysis I: The Developed World — Fall
A survey of the physical and cultural factors which influence the distribution of man and his activities on the surface of the earth. The first term is devoted to developing skills in geographic analysis with special reference to the developed regions of the world, i.e. Europe, the Soviet Union, and Anglo-America. (GG 101 is a prerequisite for GG 102 and all other courses in the department.) — Mr. Malmström

GG 102 Introduction to Spatial Analysis II: The Underdeveloped World (Spring) — Mr. Illick

GG 201 The Environment of Man: The Physical Setting — Fall
A systematic examination of the elements of the physical environment. Landforms, climates, soils, vegetation, minerals and water resources will be studied by means of field trips, maps, and photo-interpretation. 3 hrs. lect., 3 hrs. lab. (GG 101) — Mr. Illick

GG 202 Spatial Analysis of Economic Activity (Spring) Staff

GG 211 The Environment of Man: The Urban Setting Fall
An analysis of the spatial distribution of urban settlements, their relationships with each other and with their rural hinterlands, and their internal differentiation. A study will be made of the growth and decline of urban settlements and of areas within urban settlements. The nature and problems of urban places in different parts of the world will be examined. (GG 101) Staff

GG 302 Techniques of Spatial Analysis: Remote Sensing and Cartography (Spring) Mr. Illick

Seminars in Spatial Analysis: Contemporary economic, social, and political problems of major world regions will be systematically examined in a spatial and environmental context. Limited to 20 students. (GG 101)

(GG 311 Anglo-America) To be offered in 1974-75.
(GG 312 Latin America) To be offered in 1975-76.
GG 313 Europe (Spring) Staff
GG 314 Africa South of the Sahara Fall
Staff
(GG 315 Soviet Union) To be offered in 1974-75.
GG 316 Middle East and North Africa Fall
Mr. Illick
(GG 317 South and East Asia) To be offered in 1974-75.

GG 401 Spatial Analysis of Political Activity Fall
The study of the state as a geographic phenomenon, with emphasis on the spatial, cultural, and economic factors that influence its emergence, growth, and relationships with other states. The present world situation will be analyzed in terms of geopolitical principles. (GG 101)
Mr. Malmström

GG 412 Applied Spatial Analysis: Principles of Planning (Spring) Staff

GG 500 Readings and Research in Spatial Analysis and Human Ecology Fall and Spring
A course arranged to fulfill the research needs of students majoring in Geography.

GG 700 Senior Research Fall, Winter, Spring
Staff

Geology

Students, including freshmen, can enter the program in geological sciences through any of the 200-level courses: Global Tectonics, Elements of Oceanography, Geochemistry of Earth Materials, or Environmental Geology. They may then concentrate in these or other areas, depending on where their interests develop. Interdisciplinary concentration is encouraged. Work in the geological sciences culminates in a senior thesis that consists of an original contribution based on student field and/or laboratory work.

Required for the major: No courses are required of any student entering the program. Concentration in any of several areas such as geophysics, oceanography, geochemistry, or environmental geology will include at least 12 courses, but no more than 20. In addition students are expected to take one year each of college mathematics, physics, and chemistry or their equivalents. Advanced courses in these and selected other fields may be counted toward the re-

quired minimum 12 courses. All Area Concentrations will include the equivalent of 3 courses for the senior thesis.

GG 252 Environmental Geology (Spring) Mr. Baldwin

GG 261 Elements of Oceanography Fall
Oceanographic exploration introduced through study of ocean basins and continental margins. The multidisciplinary nature of oceanography is emphasized by using principles of marine geology, geophysics, geochemistry, and biology to resolve contemporary problems. Techniques of data collection are taught on Lake Champlain in the college's research craft. 3 hrs. lect., 4 hrs. lab. Mr. Folger

GG 271 Geochemistry of Earth Materials Fall
Introduction to processes that have formed the Earth and Moon. Stress is on the formation of minerals and origin of different rock assemblages. Laboratory: field mapping; study of rocks in hand specimen and thin section; interpretation of distribution and evolution of rocks from analysis of geologic maps. 3 hrs. lect., 4 hrs. lab. Mr. Creasy

GG 272 Global Tectonics (Spring) Mr. Coney

GG 361 Sedimentary Processes and Paleontology Fall
The environment of deposition of sedimentary rocks is inferred from study of their fossils, textures, mineralogy, and primary structures, which are a response to physical and chemical processes. This year, particular stress is on the origins of dolomite. Laboratory: field study of shelf and deep-water assemblages; thin-section and hand-specimen study of field collections; introduction to the study of invertebrate fossils. 3 hrs. lect., 4 hrs. lab. (Permission.) Mr. Baldwin

GG 362 Principles of Stratigraphic Analysis (Spring) Mr. Folger

GG 381 Tectonics Fall
The behavior of earth materials in a dynamic earth. Geometric, kinematic, and dynamic analysis of deformational structure. Regional tectonic setting of earth structures. Laboratory: detailed mapping and interpretation of complex structures in Vermont geology; quantitative analysis and interpretation of deformation as shown on maps and aerial photographs. 3 hrs. lect., 4 hrs. lab. (Permission.) Mr. Coney

GG 392 Analytical Petrology (Spring) Mr. Creasy

GG 452 Quaternary Stratigraphy and Surficial Processes (Spring) Mr. Folger

GG 462 Evolution of Ocean Basins (Spring) Mr. Folger

GG 482 Advanced Tectonics and Geophysics (Spring) Mr. Coney

GG 491 Advanced Geochemistry and Metamorphic Petrology Fall
An integrated approach to the "granite problem" and associated ultrametamorphism. Experimental appraisal of metamorphic reactions and migration of elements during metamorphism; comparative study of classical areas. Laboratory: investigations of metamorphic rocks of the Green Mountains; mineral determination in X-ray diffraction and trace element analysis in X-ray spectrometry. 3 hrs. lect., 4 hrs. lab. (Open to juniors and seniors by permission.) Mr. Creasy

GG 550 Readings and Research — Fall and Spring
Individual or group independent study, laboratory or field research projects, readings and discussion on timely topics in earth and environmental science. — Staff

GG 750 Senior Research — Staff

GERMAN

Departmental students are normally expected to take eight courses in German Literature. Since all higher courses will be conducted in German, completion of German 202 or its equivalent is prerequisite to acceptance into the Department. In their junior and senior years qualified students may undertake approved independent research. It is the department's expectation that all majors will have had at least one semester in a German-speaking country by the time they graduate. Junior majors will normally spend the second semester at the Johannes Gutenberg-Universität in Mainz. There is no comprehensive examination in the senior year.

GN 101 Elementary German — Fall
The course consists of three lectures, three drills and laboratory. Lectures. The lectures pre-drill the student, which is to say, the student is guided through the exercises that he is to prepare for the following day's drill. Drills. Drilling is done in groups of approximately ten students. Since they have been through the exercises in lecture, students are expected to display absolute and automatic control of drill assignments. — Mr. Sparks, Mr. Huber & Staff

GN 102 Elementary German (Spring) — Mr. Sparks, Mr. Vail & Staff

GN 201 Intermediate German — Fall
The course meets three hours a week in sections of approximately ten students. It begins with a comprehensive grammar review; this is followed by a phase in which literary texts are used as the basis of further language instruction and for the acceleration of reading speed. In the final phase of the course, progress in the language is supplemented by textual interpretation.
Staff

GN 202 Advanced German (Spring) — Staff

(GN 301 Modern German Literature) To be offered in 1974-75.

(GN 305 The German Novelle) To be offered in 1974-75.

GN 306 The German Novelle — Fall
Novellas by contemporary German authors. — Mr. Kimber

GN 307 The German Novelle (Spring) — Mr. Vail

(GN 308 German Short Prose Fiction) To be offered in 1974-75.

GN 310 German Lyric Poetry — Fall
This course directs the student's attention to the evolution of a single genre through several "schools" and periods. Readings will cover major poets from the eighteenth century to the present. — Mr. Sparks

GN 401 The Emergence of German as a Literary Language Fall
From late Baroque up to and including Sturm und Drang. In addition to dealing with selected literary works (including Simplizissimus, Minna von Barnhelm and Die Soldaten) as objects interesting in themselves, the course will study these works as a background for the age of Goethe and Schiller. Contrasting material from other writers of the era (e.g. Gottsched) will build a mosaic of aspects of Enlightenment. Mr. Huber

GN 402 The Establishment of German as a Literary Language (Spring) Mr. Huber

(GN 406 Romanticism) To be offered in 1974-75.

(GN 407 Romanticism) To be offered in 1974-75.

(GN 410 Seminar: German Drama) To be offered in 1974-75.

(GN 414, GN 415 Seminar: The German Novel) To be offered in 1974-75.

GN 500 Independent Study

See also Division of Foreign Languages

HISTORY

The History major combines an introduction to several areas of historical knowledge with intensive training and practical work in historical research. Majors must take at least one semester lecture course in early history, choosing from the following: HI 103, 205, 207, 313, 325, 326, 327, 328, and, beginning with the class of 1976, must take at least three semester courses outside their main field of concentration (the fields are defined as Europe, America, and Non-Western.). Students in the classes of 1974-75 must take at least two such courses. One course may count towards the fulfillment of both these requirements. Each major must also take a Research Seminar (HI 401-420) and a Readings course (HI 421-30) by the end of his junior year. Senior majors, having chosen a topic the previous spring, take Independent Study, as described below under HI 700, and may, if they wish, enroll in the senior seminar in the spring. With departmental permission, certain cognate courses (normally not exceeding two) may be counted for credit towards a major in History. In addition, PA 231, Philosophy of History, counts for credit towards the History major.

Required for all History majors: At least ten courses (winter term senior independent work may be counted), including a Research Seminar, a Readings course, and a senior project.

HI 103 Crises in European History Fall
The course will examine three critical periods of early modern European history in which the established order found itself under attack: the German Reformation, the English civil war, and the French Enlightenment. (Primarily for freshmen and sophomores; juniors and seniors admitted by permission only.) Mr. Tillinghast and Staff

HI 104 Modern Revolutions (Spring) Mr. Pereira and Staff

HI 203 United States History, 1607-1970 Fall
A thematic American history survey. The course will investigate themes such as the changing American self-image, why people came to America, the development of free enterprise capital-

ism, the centrality of racism and nativism in our history, and the nature of American reform movements. Mr. Stameshkin

HI 205 History of Africa (Early) Fall
A survey of the major themes in African History from prehistorical times to the beginning of the modern colonial period. Emphasis will be on the early development and evolution of social, economic and political systems before the impact of modern colonial innovation and pressures. Mr. Holmes

HI 206 History of Africa (Recent) (Spring) Mr. Holmes

HI 207 Imperial China Fall
The course will concentrate on the development of Chinese institutions and Chinese thought in the years before the impact of the West. Readings will be in a wide range of primary and secondary sources, including literature as well as more usual historical materials. Mr. Clifford

HI 208 Modern Chinese History (Spring) Mr. Clifford

HI 209 The History of Japan Fall
An examination of certain facets of Japanese history, the course will concentrate particularly on those aspects of Japan's past which have made possible her rise in the modern world. Roughly half the course will deal with the years since the Meiji Restoration, the growth and collapse of the Japanese empire, and Japan's recovery since 1945. Mr. Clifford

(HI 301 Economic History of the United States) To be offered in 1974-75.

(HI 303 The United States in the 19th Century, 1801-1861) To be offered in 1975-76.

(HI 304 The United States in the 19th Century, 1861-1901) To be offered in 1975-76.

HI 305 Twentieth-Century America (1900-1940) Fall
A study of the political and social forces in America, concentrating on the Progressive Era, the First World War, the 1920's, the Great Depression, and the New Deal. Mr. Jacobs

HI 306 Twentieth-Century America (Spring) Mr. Jacobs

HI 307 Black History (Spring) Mr. Stameshkin

HI 309 History of American Education Fall
The course will treat the history of American education as an integral part of American social and intellectual history. Major historical events, such as the rise of the common school, the emergence of the modern university, and the development of progressive education will be studied through the use of both primary and secondary sources. The course will be chronologically arranged from colonial times to the present. (This course will receive Teacher Education credit.) Mr. Stameshkin

(HI 313 History of Russia to 1725) To be offered in 1974.

HI 314 History of Russia to 1953 (Spring) Mr. Pereira

HI 315 History of Modern Europe, 1815-90 Fall
An analysis of political institutions, social and economic changes, religious and intellectual developments, and international relations. Students are encouraged to concentrate in a special area or country. Lectures are interpretive. Reading assignments include the finest interpretive studies on European history. Miss Lamberti

(HI 316 History of Modern Europe, 1890-1950) To be offered in 1975.

HI 318 English History as a Background for English Literature (Spring) Mr. Tillinghast

(HI 325 The Civilization of the Dark Ages) To be offered in 1974.

(HI 326 The Medieval Outlook, 1050-1300) To be offered in 1975.

HI 327 Europe in the Renaissance Fall
The course will include the period from roughly 1300 to 1580. There will be no coverage of the Reformation and its antecedents; these will be handled in HI 328. The major focus will be on the background of the cultural events of the period. Mr. Tillinghast

HI 328 The Reformation (Spring) Mr. Tillinghast

HI 331 France since 1789: The Development of a Society Fall
The course will emphasize social and economic history, the French revolutions and their makers, and the development and interrelationship of classes. Mr. Peiter

HI 332 Europe from 1870 to World War II (Spring) Mr. Peiter

HI 401-20 Research Seminars
The purpose of the research seminar is to introduce the student to methods of research and historical writing. The first few weeks are spent in reading in the area of the course in class, and in an introduction to bibliographical and methodological problems. During the rest of the course the student writes a long paper on a subject of his choosing. The research seminar is required of majors in their junior year, and is open to others by permission. The department may permit a student to write an equivalent research paper in a field not covered by the research seminars in order to fulfill this requirement; in this case he should register for HI 500. Those who wish to work in American history will normally be required to take HI 402 in the spring; those wishing to work in African or Asian history may want to take HI 413 in the spring.

HI 402 Writing and Research in American History (Spring) Mr. Jacobs and Mr. Stameshkin

HI 411 Modern Germany Fall
The topic of the seminar discussions is the Nazi dictatorship. Among the problems that the class will study are the instruments of totalitarian tyranny and their functioning, compliance and submission, the machinery of propaganda and the creation of the Fuehrer myth, and the Christian conscience and the Nazi regime. For research papers, students may select a topic on modern Germany, or another historical problem in 20th century Europe. Miss Lamberti

HI 413 Colonialism and Imperialism (Spring) Mr. Holmes

HI 421-30 Readings Courses
Unlike the offerings below the 400 level, which are primarily lecture courses, the readings

courses are smaller group discussions of particular periods or particular topics. There are no prerequisites, unless otherwise stated, and they are open to all students, sophomore and above, with the permission of the instructor. In case of overcrowding history majors will be given preference. (Required of majors prior to the end of the junior year.)

HI 422 The Rise of the Nation State in Africa — Fall
An analysis of the dynamic forces which combined to form new nations in Africa in the 20th century. Students will investigate the development of those nations which are most representative of the variations in the process of state formation. (Limited to 17 students.) Mr. Holmes

HI 423 American Urban History (Spring) — Mr. Stameshkin

HI 424 Communism in China (Spring) — Mr. Clifford

HI 427 The Crucial Decade -- Revisited: America 1945-55 — Fall
Discussions will focus on post-war America, a period which has been called the "crucial decade". (Enrollment limited to 17 students.) Mr. Jacobs

HI 428 Readings in American History (Spring)

HI 429 Anti-Stalinism in the Soviet Union (Spring) — Mr. Pereira

HI 430 Class and Class Conflict in Modern Europe — Fall
The focus will be on the Marxist interpretations of history and its limitations. The following problems will be studied: a) the French Revolution of 1789; b) Industrialization in Europe; c) World War I; d) Vichy France. Mr. Peiter

HI 500 — Fall and Spring
Special research projects (Permission only.) — Staff

HI 700 Independent Study — Fall and Winter
Seniors will choose, with departmental advice and approval, from among the following types of Independent Study projects: (1) a two-term thesis, departmental or interdepartmental, the work to be done normally in the fall and winter terms; (2) an interdepartmental essay, jointly approved and directed by an adviser in both departments; (3) an historiographical essay; (4) a bibliographical essay; (5) an oral history project; (6) a translation project; (7) a conventional historical research paper; (8) practice teaching in history, in conjunction with the Teacher Education program, in local secondary schools, with a written report to be turned in to the History Department at the end of the semester; and (9) HI 705, below. Eligibility for honors will normally be confined to students completing the two-term thesis, although outstanding performance in any of the other undertakings may result in permission to continue and complete it during a second term and become eligible for honors.

HI 705 Teaching Assistantship — Fall and Spring
Teaching assistance in discussion sections of certain lecture courses. Permission of the course instructor is required.

HI 710 Topics in Comparative History — Spring
Senior seminar. Readings and discussions in problems chosen by staff and students, encouraging a comparative study of problems common to different periods and different fields.
Staff

MATHEMATICS

The Major includes work in analysis through advanced calculus, a year of modern algebra, plus work in several elective fields. Probability and statistics, topology and geometry, real and complex analysis, number theory and advanced algebra and an introduction to digital computers are available to all majors. Each major will make a careful choice of electives with the help of his adviser in order best to fulfill his particular mathematical needs.

Advanced placement is offered freshmen whose secondary training indicates they can successfully take the sophomore course.

Seniors must register for MA 704 in the Spring Term.

Required for the Major: MA 112, MA 113, MA 201, MA 202, MA 301, MA 302, MA 401, MA 402, three electives in the Department and MA 704. Physics is recommended and, under special circumstances, certain courses in other departments may serve in lieu of one or two of the required departmental electives.

MA 101 Introduction to Finite Mathematics — Fall

Selected topics from areas of finite mathematics; designed for students who have had only three years of secondary school mathematics. Elements of mathematical logic and of the theory of sets; partitions, binomial coefficients; introduction to probability theory, conditional probability; matrices, solution of linear equations. Staff

MA 112 Mathematical Analysis-I — Fall and Spring

Introductory analytic geometry and calculus; designed for students with four years of secondary school mathematics. The differential calculus of algebraic functions and applications; the indefinite and definite integral, area under a curve. Staff

MA 113 Mathematical Analysis-II — Fall and Spring

A continuation of MA 112; may be elected by freshmen who have had an introduction to analytic geometry and calculus in secondary school. Applications of integration to volumes of revolution, length of arc, surface of revolution, pressure, and work; the calculus of the elementary transcendental functions; hyperbolic functions; polar coordinates; determinants. (MA 112 or permission.) Staff

MA 201 Mathematical Analysis-III — Fall and Spring

The calculus of functions of more than one variable. Introductory vector analysis, analytic geometry of three dimensions, partial differentiation, multiple integration and applications. (MA 113 or permission.) Staff

MA 202 Mathematical Analysis-IV — Fall and Spring

Infinite series and an introduction to ordinary differential equations. Convergence of numerical series; Maclaurin and Taylor series; first and second order differential equations, linear differential equations with constant coefficients, applications. (MA 113 or MA 201.) Staff

MA 301 Linear Algebra — Fall

Topics from modern linear algebra including the algebra of matrices, determinants, rank and equivalence of matrices, linear dependence, systems of linear equations, vector spaces and linear transformations, characteristic values and vectors, orthogonal systems, canonical forms, dual spaces. (MA 113) Mr. Peterson

MA 302 Abstract Algebra I (Spring) — Mr. Carruth

(MA 303 Abstract Algebra II) To be offered in 1974-75.

MA 310 Probability — Fall
An introduction to the concepts of probability and their applications, covering both discrete and continuous random variables. Probability spaces, elementary combinatorial analysis, densities and distributions, conditional probabilities, independence, expectation, variance, Weak Law of Large Numbers and Central Limit Theorem. Numerous applications. (MA 113) Offered in alternate years. Mr. Emerson

MA 311 Statistics (Spring) — Mr. Emerson

(MA 315 Mathematical Models in the Social and Management Sciences) To be offered in 1974-75.

(MA 321 Elementary Number Theory) To be offered in 1974-75.

MA 331 Introduction to Digital Computers — Fall
An introduction to digital computers and computer languages. The organization of electronic digital computers; programming in FORTRAN and assembler languages; applications in numerical analysis. (MA 113 and permission. Limited to 20 students.) Staff

MA 401 Advanced Calculus — Fall
Further topics in the calculus and real analysis. Fundamental concepts of real function theory, divergence and curl, line integrals, Green's theorem, the Stieltjes integral, infinite series, power series, Fourier series, improper integrals. (MA 202) Mr. Carruth

MA 402 Advanced Calculus (Spring) — Mr. Bielli

MA 411 Elementary Topology — Fall
An introduction to the concepts of topology. Theory of sets, topology of the real line, continuous functions and homeomorphisms, compactness, connectedness, metric and function spaces, selected topics from the topology of Euclidean space. (MA 201 or permission.) Mr. Olinick

MA 421 Modern Geometry (Spring) — Mr. Peterson

(MA 431 Complex Analysis) To be offered in 1974-75.

MA 500 Advanced Study — Fall and spring
Individual study for qualified students in more advanced topics in algebra, number theory, real or complex analysis, topology. Particularly adapted for those who enter with advanced standing. (Permission.) Staff

MA 704 Problem Seminar (Spring) — Staff

MUSIC

The offerings of the Music Department focus on four areas of the discipline: 1) the vocabulary and theory of music, 2) its historical development, 3) music of ethnic cultures, 4) its creative aspects -- performance, relation to other gestural arts (Dance), and composition.

The relative emphasis on these areas will vary for the individual major according to his

talents, interest and needs. Independent study consists of advanced work in one or more of these areas as determined by the department in consultation with the student. It is generally assumed that the major will take MU 101 and 102 (Perspectives on Music), MU 206 and 207 (Performance), MU 209 and 210 (Theory), MU 309 and 310 (Analysis) and four other departmental offerings.

Any of these requirements may be waived or changed if the department feels the best interests of the student are served.

MU 101 Perspectives on Music: Design and History Fall
This course is an introduction to the composer's and historian's points of view in dealing with the materials of music. Six weeks will be devoted to the study of music as a creative act with lectures concentrating on such questions as "How does one listen to a piece of music? What is to be asked about a work or body of works?" Students are asked to respond to assigned pieces, keeping a written record of the development of their musical understanding. The last six weeks will be devoted to an examination of the questions and methods of the historian as he seeks an historical and cultural understanding of music. Selected compositions will be studied to see what historical issues are raised by the way they use their musical materials.
Mr. Todd and Mr. Kurtzman

MU 102 Perspectives on Music: Performance and Cultural Roots (Spring) Mr. Fanning and Mr. Smith

MU 206 Performance Fall
The focus of this study is the development of musical understanding and expression through active participation in making music. As a laboratory course, the primary work takes place in tutored private practice and ensemble rehearsal; choir, orchestra, chamber groups and individual instruments. (Permission.) Staff

MU 207 Performance (Spring) Mr. Fanning & Staff

MU 209 Theory Fall
As an introduction to the study of constructing and analysing music, MU 209 approaches the basics of notation, sight reading, keyboard skills and ear training. Emphasis on exercises in interval studies, rhythm, simple melody and harmony dictation, clef reading skills and other materials necessary for theoretical work. Mr. Todd

MU 210 Theory (Spring) Mr. Todd

(MU 240 Aesthetics and Music)

(MU 250 Artistic Development in the Individual Composer)

(MU 260 Words and Music)

MU 302 Electronic Music (Spring) Mr. Todd

MU 309 Analysis Fall
Continuation of MU 209 and MU 210 with emphasis on analysis of individual works from different historical periods. Required of music majors. Mr. Kurtzman

MU 310 Analysis (Spring) Mr. Todd

MU 350 The Dramatic in Music — Fall

"The Dramatic in Music" will examine those aspects and forms of music where dynamic development is a primary aesthetic consideration. The nature of musical drama will be explored by close study of examples from relevant genres of composition, such as opera, the symphony, the concerto and the string quartet. Lecture-discussion sessions will seek to confront these works with fundamental questions about sound relationships and their movement through time with a view toward discovering those elements of style which contribute to our perception of such works as dramatic in character. Mr. Kurtzman

MU 409 Composition (Spring) — Mr. Todd

Two additional upper level courses will be offered in the music of ethnic cultures. See supplemental catalogue.

Courses in Dance will be offered by the Music Department. For courses and their descriptions, see supplemental catalogue.

Performance Studies

The aim of the Department is to present music for its value as literature and as a record of one aspect of human achievement, not as professional training. We strongly encourage students to improve performing techniques as a necessary means of cultivating the art. The College will assist the student as far as possible in securing adequate instruction when not provided by the regular staff.

Students who wish private instruction in piano, organ, violin, viola, or classical guitar, flute, clarinet should enroll with the Department during registration.

Fees are to be paid to the Cashier's office at the beginning of each term. No rebate is allowed for lessons missed except in the case of continued illness. Performance studies consist of 1 lesson weekly; fee $105 per semester for all instruments except recorder which is taught in consort. Fee for recorder is $65 per semester.

Private Instruction in Piano	Mrs. Kurtzman
Private Instruction in Voice	Ms. Sliker
Private Instruction in Organ	Mr. Fanning
Private Instruction in Violin and Viola	Mr. Glick
Private Instruction in Classical Guitar	Mr. Rhinelander
Private Instruction in Recorder	Mr. Skrobela
Private Instruction in Flute	Mr. Powell Ms. Scoones
Private Instruction in Clarinet	Mr. Kimbell

Music Library. The Christian A. Johnson music library contains several thousand records, scores, books, and a collection of chamber music. Listening facilities in the library are available to anyone from the college community.

Practice Facilities. Practice rooms with pianos are available for individual and group rehearsal. Organs: Walcker (1969) mechanical action, 15 ranks; and Gress-Miles (1970) 48 ranks. Application should be made to the secretary of the music department.

College Orchestra. Weekly rehearsals leading to the performance of music from all periods. Performance by small ensembles is encouraged. All instrumentalists are urged to audition. Apply to secretary of music department. Mr. Fanning

College Choir
The College Choir sings at Chapel Services and special concerts on and off campus. In keeping with the educational intent of the choral program, repertoire for all performing groups is as historically inclusive and demanding as possible. Performance in languages other than English is stressed. Audition required, open to all students without prerequisite. Mr. Fanning

Recitals
Regularly scheduled recitals and lectures are open to the public.

PHILOSOPHY

Non-majors: Most of the Philosophy Department courses are open to students who are not majors and who have had little or no previous work in philosophy. PA 102 is the general introduction to the field and is open to students in all classes. Courses in the 200 range are introductions to specialized areas of philosophical study which do not require particular competences though students who have done work in education, religion, or the arts will find their studies in those areas of assistance. Except as noted, 300 level courses are generally open to students but they suppose a higher level of sophistication than the 200 level courses and are not normally open to freshmen. 400 level courses are normally open only to majors. Non-majors with a previous background in philosophy may elect a 400 course but they should consult with the instructor.

Major program: Majors will elect ten courses in the department which may include PA 102. Cognate courses particularly in the areas of political science and religion may be substituted for two courses with prior permission. Majors must elect: one course in Ethics and Social Philosophy (PA 300-320); one course in Philosophy of Science and Theory of Knowledge (PA 350-370); one course in Studies in the History of Philosophy (PA 400-420) and the Senior Seminar (2 course units) in Contemporary Philosophy. PA 400 is required and is normally taken in Fall Term of Junior year.

Honors candidates will do a 500 project in the Winter Term of Senior Year and may substitute under exceptional circumstances a second term of 500's work for the second term of the Senior Seminar. Students must have a B average in all work in the department during their junior year and first term of senior year to be permitted to undertake an Honors project. 500 projects are open only to philosophy majors and they must have attained an average of B in all course work within the department.

PA 102 Philosophical Problems Fall
This course will provide an introduction to philosophy through a detailed consideration of a number of important philosophical problems. Examples of such problems are: the possibility of knowledge, the nature of truth, problems of perception, the problem of induction, the mind-body problem, and the question of free-will versus determinism. There will be readings from classical and contemporary sources. Staff

PA 115 The Philosophical Tradition: Greek and Medieval Fall
Main themes of philosophic thought from the beginnings in Greece through the period of Christian Scholasticism. General readings in the history of philosophy will serve as background to in-depth study of major figures such as Plato, Aristotle, Augustine or Aquinas. Two lectures and one discussion. Mr. Bigelow

HM 150 World Views and Human Questions (Spring) Staff

PA 116 The Philosophical Tradition: From the Scientific Revolution (Spring) Mr. Bigelow

(PA 210 Philosophy of Education) To be offered in 1974-75.

PA 213 Philosophy of Religion Fall
An investigation of the philosophical problems raised by the claims of religious belief. Analysis of the problem of God: does he exist? what does it mean to say that he exists? the problem of evil, immortality and eschatology. Mr. Nuovo

(PA 217 Philosophy of Art) To be offered in 1974-75.

PA 218 Introduction to Modern Logic (Spring) Mr. Temin

PA 231 Philosophy of History (Spring) Mr. O'Brien

Ethics and Social Philosophy

Courses numbered in the range PA 300 - 320 fall in the general area of ethics, social philosophy and theory of value. Offerings may change from time to time and courses will be alternated as indicated.

PA 305 Systematic Ethics Fall
A study of major ethical theories of Western civilization. These theories attempt to make explicit the general principles which we all use, whether consciously or not, when we make moral judgments of right or wrong, good or bad. The course organization will be systematic, i.e., by types of theory, rather than historical, though various historical writings will be used to illustrate different theories. At the end of the course some attention will be paid to the meta-ethical question of how, if indeed at all, moral judgments can be justified (like scientific judgments) by logically cogent reasons. Lecture/discussion. Mr. Bigelow

(PA 307 Ethics and Analysis) To be offered in 1974-75.

PA 308 Justice Fall
A study of recent discussions of the nature of the just society and of economic justice. The major part of the course will be devoted to a critical examination of John Rawls' recent important work, A Theory of Justice. Mr. Bates

(PA 309 Philosophy of Law) To be offered in 1974-75.

Philosophy of Science and Theory of Knowledge

Courses numbered in the range PA 350 - 370 fall in the general area of theory of knowledge or epistemology. Problems of knowledge, proof and perception have been particularly central to philosophical concerns in the modern period. Students considering graduate work in philosophy should elect courses in this area. Offerings may change from time to time and courses will be alternated as indicated.

PA 351 Theory of Knowledge (Spring) Mr. Bigelow

PA 352 Philosophy of Mind Fall
Topics will include the mind-body problem, behaviourism and physicalism, rationality, and human action and intentions. Mr. Temin

(PA 353 Philosophy of Science) To be offered in 1974-75.

(PA 354 Philosophy of Language) To be offered in 1974-75.

PA 355 Philosophy of Space and Time (Spring) Mr. Temin

Studies in the History of Philosophy

Courses numbered in the range PA 400 - 420 will cover major figures in philosophy or major movements, e.g., empiricism, rationalism, idealism, existentialism. These courses are recommended to students planning to pursue graduate work in philosophy and should normally be elected only by students who have had previous courses in philosophy.

PA 400 Readings in History of Modern Philosophy Fall
A reading course for junior majors covering the major philosophical movements of the last 100 years: idealism, existentialism, positivism, linguistic analysis. Occasional discussion meetings and final written and/or oral examination. (Open only to philosophy majors. Required of all majors.) Staff

PA 404 Descartes and Spinoza Fall
A study of the major epistemological and metaphysical doctrines of the two major rationalists of the seventeenth century. The course reading will center on Descartes' Discourse on Method and Meditations and Spinoza's Ethics. Mr. Bates

PA 408 Hegel and the Nineteenth Century Fall
An examination of Hegel's philosophy and of the reinterpretation of human nature, society, religion, and of philosophy itself undertaken during the nineteenth century under Hegel's influence. (Prerequisite, PA 115 or 116 or RE 203, or permission.) Mr. Nuovo

PA 410 From Transcendentalism to Naturalism (Spring) Mr. Rockefeller

PA 412 Philosophy in the Middle Ages Fall
An introduction to the philosophical movements of the Middle Ages. Emphasis will be on the metaphysical traditions. Extensive readings from the twentieth century historian of medieval philosophy, Etienne Gilson. Concentration on St. Thomas Aquinas in readings from primary material. Previous work in philosophy or religion strongly recommended. Mr. O'Brien

PA 500 Research in Philosophy (open only to majors) Fall and Spring
Staff

PA 704 Senior Seminar: Contemporary Philosophy Fall and Spring
All seniors elect two terms of the senior seminar. The seminar is devoted to the study of contemporary figures or movements in philosophy. Students will be expected to prepare periodic research papers utilizing primary sources and journal literature. Staff

PHYSICAL EDUCATION & ATHLETICS

The Physical Education Program concentrates on the so-called life-time sports so that all students leave Middlebury with exposure to sports or recreational activities in which they have developed a degree of skill and interest that will be an asset to them in later years. The program consists of five seasons in essentially life-time sports, i.e., dual, individual, dance, and swimming (required for those unable to pass the pool test) and a credit maximum of three seasons for participation in intercollegiates, performing groups, or instructional team sports. There are two seasons in each of the two college terms and one season in the college winter term.

Students may complete their Physical Education Program by utilizing any of the following options and opportunities:

a. Instructional classes
b. Approved independent programs
c. Exemption program
d. Any combination of the above, including a three season credit for participation in intercollegiates, performing groups, or instructional team sports.

The Physical Education Program may be completed at any time, or by any of the above options, convenient to the student during his/her four years at Middlebury - except that three exemptions or three seasons credit should be attained by the end of the Junior year to ensure completion of the program. The entire program may be completed by demonstrating proficiency at or above the intermediate level in three life-time activities offered in the exemption program, provided the "Pool Test" has been passed. The passing of one or two exemptions provides the student with one or two seasons credit toward completion of the entire program. Students may take no more than three instructional classes in the same activity nor receive more than three seasons credit for the same activity (one of which may be an exemption credit). A yearly medical examination is required of all students participating in departmental programs.

All registrations for instructional classes in physical education are held in the McCullough Gymnasium Office, and registrations are held prior to the start of each of the five seasons during the college year. There are three exemption periods during the year (early fall, middle winter, and late spring) and students sign up for test appointments at the McCullough Office prior to the announced exemption periods. Students should consult the appropriate department member concerning participation in intercollegiates and performing groups. Application forms for independent programs are available at the Offices in the Field House and McCullough and are returnable, for consideration, to Prof. Colman's Office in the Field House one week prior to the start of each physical education registration period. Students who wish to elect courses (i.e., the student does not need the course for physical education credit) should register with the department for the appropriate season and they will be scheduled for classes on a space available basis.

Physical Education Program (Fall and Winter I Seasons) Staff
Specific seasonal course offerings are available at the time of registration prior to the start of each season.

Physical Education Registration Periods: (9:00-12:00 and 1:00-4:00 at McCullough Office)
For Fall Season - September 10, 11, and 12.
For Winter I Season - October 15, 16, and 17.

Approved Independent Programs: Applications are available at the offices in McCullough and the Field House and are returnable, for consideration, to Prof. Colman's offce in the Field House one week prior to the start of each Physical Education registration period.

Fall Exemption Period: (Students must sign-up for test appointments by 4:00 p.m. on September 10 at the McCullough Office.) The following tests will be given on September 10, 11 and 12: Tennis, swimming, golf, archery, modern dance, riding, and the pool test.

PHYSICS

The course offerings in the Department of Physics are designed to fill the needs of a liberal arts curriculum. The offerings are suitable for three categories of students: (1) Those who do not intend to specialize in science, but have an interest in science; (2) Those who desire a basic introduction to physics as an adjunct to a major in another science; and (3) Those who major in physics. Students normally major in physics as preparation for graduate study in the sciences or engineering, as preparation for a professional school, or as preparation for teaching. Students planning to major in physics should start with PH 109-110, no later than their sophomore year and preferably in their freshman year. Students with excellent secondary school training may be permitted to begin their study of physics with PH 201, PH 202 Modern Physics.

For students not specializing in science the department offers three one-term courses, PH 101 The Physical World - Energy and Stability, PH 102 The Physical World - Light, and PH 251 Introduction to Astronomy. These courses have no prerequisites and are not sequential.

Students intending to major in physics (category (3) above) will find that the department offers a full complement of both theoretical and experimental courses. The minimum requirements for a major in physics are the four term sequence of Mathematical Analysis, the four term sequence of General Physics and Modern Physics, four electives in physics, and either three terms of Independent Study followed by general examination (three credits total), or two terms of Advanced Laboratory followed by general examination (two credits total). Specific courses to be taken by a major are determined by him in consultation with his department adviser. The department offers a program for majors of Environmental Studies with Emphasis in Physics. (See Environmental Studies.)

PH 101 The Physical World - Energy and Stability (Spring) Staff

PH 102 The Physical World - Light Fall
The course emphasizes the total variety of phenomena that belong under the heading of "Light." An historical view of man's understanding and use of the radiant energy spectrum - from radio waves to gamma rays - is coupled with an examination of light's fundamental role in the physical world, its wave-particle nature and constant speed. Only slight use is made of mathematics and lab sessions will concentrate on the demonstration of physical principles in natural lighting, color perception, communications, photography, lasers, x-ray and radar. Three hours lecture, three hours laboratory. (The courses PH 101 and PH 102 are not intended for science majors. They may be taken in either order.) Mr. Wright

PH 109 General Physics I Fall
An introduction course to mechanics, waves and oscillatory motion, and heat. A sound background in algebra and geometry is supposed. The ideas of calculus are introduced but no manipulative skill in calculus is required of the student until the latter part of the course. Use of

the computer is taught and the computer is used as an aid in analyzing experimental results obtained in the laboratory and in solving problems. (MA 112 is a corequisite.) Three hours lecture, three hours laboratory. Mr. Cooney

PH 110 General Physics II (Spring) Mr. Cooney

PH 201 Modern Physics I Fall
This course probes in depth a number of areas for which classical physics has provided no adequate explanations. Topics covered include Einsteinian special relativity (kinematics and dynamics, conservation of momentum and mass-energy), statistical distributions in physics, kinetic theory, quantization and photons, x-rays, and the atomic models of Rutherford and Bohr. (PH 109, 110 or permission.) Three hours lect., one lab/discussion session. Staff

PH 202 Modern Physics II (Spring) Staff

PH 221 Electronics I Fall
An introduction to modern electronic circuits and solid-state devices with emphasis on their physical operation and practical use. Topics include dc and ac circuits; basic measuring instruments and transducers; semiconductor diodes, transistors, and other devices; amplifier circuits; waveform generators; and an introduction to integrated circuits. (PH 110 or permission.) Three hours lect. and two lab. sessions. Mr. Terwilliger

PH 222 Electronics II (Spring) Mr. Terwilliger

PH 251 Introduction to Astronomy (Spring) Mr. Terwilliger

PH 301 Electromagnetic Fields Fall
A study of the properties of electric and magnetic fields in empty space and in matter, leading to the unified and concise description of all electromagnetic phenomena by Maxwell's equations. Topics include electrostatics, magnetostatics, dielectric and magnetic materials, scalar and vector potentials, and electromagnetic induction. Applications to problems of current interest in physics and other sciences. (PH 110 and MA 201.) Three hours lecture and one laboratory/problem session. Staff

PH 302 Electromagnetic Waves (Spring) Staff

PH 303 Intermediate Mechanics Fall
The mechanics of single particles is extended through the use of generalized coordinates to provide equations of motion for complex mechanical systems. The resultant formalism stresses energy rather than force and allows considerable freedom in the choice of variables used to describe the motion. The method is illustrated by theories for planetary orbits, gyroscopes, coupled oscillators, deformable solids, and fluids. Three hours lecture. (Prerequisite PH 109, corequisite MA 201.) Staff

PH 312 Methods of Theoretical Physics (Spring) Mr. Wright

PH 332 Heat and Thermodynamics (Spring) Mr. Gould

PH 401 Introduction to Quantum Mechanics Fall
A fundamental course in quantum mechanics aimed at understanding the mathematical structure of the theory and its application to physical phenomena at the atomic and nuclear levels. Topics

include the basic postulates of quantum mechanics, operator formalism, Schroedinger equation, one-dimensional and central potentials, angular momentum and spin, perturbation theory, and systems of identical particles. (PH 202, MA 202.) Seminar - three hours. Staff

PH 402 Advanced Modern Physics (Spring) Staff

PH 441 Advanced Laboratory I Fall
This course allows the student to learn and use the more advanced techniques and concepts of physics by performing experiments in areas of current interest to physicists. Relatively few experiments will be performed. For each experiment the student will do library research going to original papers when possible, will take part in the planning of the experiment and after carrying it out will present a report of his work. The two terms of Advanced Laboratory are not sequential. (PH 202) Two three hour laboratory/problem sessions. Staff

PH 442 Advanced Laboratory II (Spring) Staff

PH 500 Research and Special Topics Fall and Spring
(Permission) Staff

PH 705 Independent Study and General Examination Fall, Winter and Spring
Independent study in the fall, winter and spring terms culminating in a written thesis. Accompanied by comprehensive examinations in February. (Three credits total.) Staff

POLITICAL SCIENCE

The major in Political Science examines the theory and practice of politics. The major program begins with a term study of politics in general, followed by a term of American or comparative politics. Intermediate level courses are offered in the major fields of the discipline. The senior program is directed toward intensive study in research seminars. Offering a selected core curriculum with a broad range of approaches to the study of politics, including philosophic, traditional, and scientific analysis, the curriculum is designed to meet the demands of modern citizenship as well as the basic preparation for graduate work or law school. Normally only courses at the 100 level are open to Freshmen.

Required for the major in Political Science: A total of ten Political Science courses, including: (1) PS 101 and either 102, 103, or 104, (2) completion of the Senior Program, and (3) two courses at the 200 level or above in each of three of the following fields: American Political Institutions, International Politics and Foreign Policy, Comparative Politics, and Political Philosophy and Behavior. Majors also should consult with their advisers regarding appropriate cognate courses.

Senior Program: The Senior Program normally consists of two Research Seminars, each of which includes an advanced research project. The Research Seminars are listed as the 400 level courses below. They may be taken at any time beginning with the Spring Term of the Junior year, but they must be taken during separate terms. Two course credits are granted for the Senior Program. Students admitted to the Honors Program may substitute one term of Honors work for one of the Research Seminars. Department approval also may be granted to Seniors with exceptional records who wish to substitute an Independent Project (PS 500) for one of the Research Seminars. Proposals should be submitted to the Department for approval at least one month prior to the registration period for the Senior term in which the project would be undertaken.

Honors Program: Students may become candidates for Honors in Political Science at any time after the beginning of the Spring term of the Junior year and prior to the Spring term of the Senior year. Honors projects will normally be begun in the Senior Research Seminars or 500 projects. Prior to the beginning of the Winter term of the Senior year, the Department will determine whether Senior Seminar or 500 projects are progressing satisfactorily enough to be continued as Honors projects. One course credit (PS 500) is granted for Honors work.

PS 101 Introduction to Political Science Fall
A study of the classics in political science: Plato, Republic; Aristotle, Politics; Machiavelli, The Prince; Hobbes, Leviathan; Locke, Second Treatise on Government; Rousseau, Second Discourse; Marx, Communist Manifesto el al.; Weber, "Politics as a Vocation," "Science as a Vocation"; Nietzsche, The Use and Abuse of History. Two lectures and one discussion section per week. (Freshmen and Sophomores or permission.) Mr. Dry and Staff

PS 102 The American Political Regime (Spring) Mr. Dry and Staff

PS 103 Introduction to Comparative Politics (Spring) Mr. Rosenberg

PS 104 Introduction to American Political Processes (Spring) Mr. Dickson

American Political Institutions

PS 203 American Politics and Legislation Fall
The American political process; the theory and practice of politics; the functions and activities of political parties and interest groups and their role in the initiation and control of governmental policies, including a consideration of crucial political issues and practical politics.
Mr. Thurber

PS 204 American Politics and Legislation (Spring) Mr. Thurber

PS 301 State and Local Government (Spring) Mr. Thurber

(PS 303 Public Administration) To be offered in 1974-75.

PS 305 American Constitutional Law: Principles and Structure Fall
Study of the judicial function and the constitutional principles of federalism and the separation of powers as the Supreme Court has enunciated them in leading cases. Reading concentrates on leading Supreme Court decisions, interpretive essays and commentaries. Students participate in a Mock Court case or write a paper on a topic suggested by the course reading. (Juniors and PS 102, or permission.) Mr. Dry

PS 306 American Constitutional Law: Individual Rights (Spring) Mr. Dry

PS 307 The American Presidency Fall
Powers, purpose, and functioning of the Presidency in the American political system.
Mr. Thurber

PS 309 Urban Politics Fall
The first third focuses on policy problems, especially housing, education, and welfare. The second part focuses on the social context and political structure of the city. The final third ex-

plores possibilities of innovation and different modes of citizen participation through political processes such as voting, lobbying, organizing or extra-political processes such as rioting.
Mr. Dickson

PS 406 Seminar in American Electoral Behavior (Spring) Mr. Dickson

International Relations and Foreign Policy

PS 201 International Politics Fall
Introduction to the study of international politics. Approaches to the analysis of foreign policy-making, international systems and the causes of international conflict. Mr. Leng

PS 311 American Foreign Policy Fall
Major assumptions and objectives of American foreign policy since 1945. Analysis of historical performance (Cold War, Vietnam) and emerging problems in Asia, Europe, and the Middle East. Emphasis on the process of goal selection, including leadership, learning, evaluation of threats, consideration of alternatives, and public opinion. Mr. Dickson

PS 405 Seminar on International War Fall
Research seminar on the analysis of the causes and consequences of international war. The course focuses on wars in the modern nation-state system and contemporary approaches to analysis. (PS 201 or permission.) Mr. Leng

Comparative Politics

PS 322 Government and Politics of Southeast Asia Fall
A survey of the traditional societies, the colonial impact, the nationalist revolutions, and the modernization efforts of Burma, Indonesia, the Philippines and Vietnam. Mr. Rosenberg

PS 330 Politics and Technology Fall
How can organizational and technological demands for control and coordination be balanced with individual and social needs for identity and community? A study of the limits of industrial growth, including the works of Galbraith, McLuhan, Reich, Commoner, and Skinner.
Mr. Rosenberg

PS 404 Seminar on European Politics (Spring) Mr. Rosenberg

Political Theory

PS 317 Political Philosophy: Classical Political Philosophy Fall
Detailed study of the political philosophy of Plato and Aristotle. Stress on the themes of natural right, the claims of political association and private life, and action and theory. Mr. Nelson

PS 318 Political Philosophy: The Modern Tradition (Spring) Mr. Nelson

PS 331 Contemporary Political Analysis Fall
How is politics studied today? The first part of the course will examine principles, methods, and case studies of scientific inquiry according to normative, structural, and behavioral theories. During the second part, students will design and conduct their own empirical research projects on current political issues. Mr. Rosenberg

PS 409 Seminar in Political Thought: Some 20th Century Problems Fall
The course will be addressed to two topics. The first is the alleged decline of political philosophy in the 20th century. Most attention will be given to the problems for political philosophy generated by 20th century views of social science, though some time will be given to other kinds of attacks on the possibility of political philosophy as traditionally defined. The second topic will be various kinds of attempts to restore the practice of political philosophy as rational inquiry into the nature and goods of political life. Writers whose works will be examined include Isaiah Berlin, John Lucas, Michael Oakeshott and Leo Strauss. (Permission.) Mr. Nelson

Independent Projects

PS 500 Advanced Projects in Research
A program of independent research designed to meet the individual needs of advanced students. (Permission.) Staff

PSYCHOLOGY

For the student who majors in psychology engagement with experimental data lays the basis for an empirically-founded and objective formulation of principles of human behavior. He may encounter the data in published research reports, in his regular laboratory work, and in connection with his own research along lines that he finds important. The relevant observations may involve human subjects or sometimes infra-human subjects for the better experimental control that they may permit. Whatever the sources of his observations, the student comes to see them as products of the experiments that generated them, and thus he evaluates their importance for hypothesis or generalization.

As a psychology major the student takes a program of elective and required courses in psychology and related disciplines. By the end of his sophomore year, through work in Psychology, and in cognate fields, he has acquired familiarity with many of the data, concepts, and research procedures essential to an understanding of human behavior. During his last two years he makes use of his accumulated knowledge and skills in his deep involvement with several areas of central importance to psychology.

Students generally choose to complete as much as possible of their formal course work toward the major by the end of the junior year so that their work in psychology as seniors can be devoted to independent reading and study and possibly to individual research leading to Departmental Honors.

Major in Psychology: Required for a major: PY 105, PY 201, PY 207, PY 301, PY 305 or 307, and at least four additional fall or spring term courses in psychology; Qualification in Psychology; the General Examination in Psychology (PY 705) and completion of cognate requirements: two one term courses, chosen in light of the student's interest and with the consent of the Psychology Department, from among the courses offered in Biology, Chemistry, Mathematics, and/or Physics.

Joint Major in Biology and Psychology: Required for a major: Biology BI 110 and five electives in Biology; Psychology PY 105, PY 201, PY 207, PY 301, PY 305 or 307, PY 705; three electives chosen with advisers' approval from the courses in Chemistry, Mathematics, Physics, or Economics EC 210.

Qualification in Psychology must ordinarily be accomplished by the end of the student's sophomore year and is achieved by completion of Psychology PY 105 with a grade of at least

C-, by completion of Psychology PY 201 with a grade of at least C-, and by completion of the extra-departmental cognate requirements stated above. A student who has not met Qualification by the end of his sophomore year may be granted exception to the requirements on action of the Department in response to his written request.

Senior Program: Preparation for the General Examination (PY 705), given yearly in May, will involve independent reading by the student. This preparation may be done as the equivalent of one course during the fall or winter or spring term of the student's senior year at his choice.

If the student seeks to be graduated with Departmental Honors in Psychology he must apply to the Department before February 1 of his junior year. He will then register for Advanced Research (PY 500) during the spring term of his junior year to delimit his problem and conduct any necessary pilot or feasibility studies for his research. Upon successful conclusion of such studies he will, if he chooses, be admitted to Honors candidacy, and continue his research during his senior year. He may also, if he chooses, devote the Winter Term of his senior year to research. Upon successful completion of his project an Honors Examining Board will be convened to consider and make recommendation about the order of departmental Honors to be awarded upon his graduation. These orders include Honors, High Honors, and Highest Honors in Psychology.

PY 105 Psychology: A Viewpoint — Fall and Spring
Several important issues selected from the problems of perception, motivation, and mental illness are considered from the point of view that, for a psychologist, a satisfactory understanding of the phenomena he studies will necessarily depend on his seeing them in terms of his subject's (1) physical capabilities and limitations, (2) experiential environment, and (3) interactions with that environment. — Staff

PY 201 Principles of Research in Behavioral Science (Spring) — Mr. Ewell

PY 207 Conditioning and Learning — Fall
This course introduces the laboratory experiments and the theories relating to the major phenomena of conditioning and learning. The work of such men as Pavlov and Skinner is considered in this context. The topics discussed include simple classical conditioning, discriminative conditioning, operant training procedures, reinforcement schedules, and aversive control. These topics serve as the basis for an analysis of complex behavior. The laboratory work centers on operant conditioning with the laboratory rat. (PY 105) 3 hrs. lect., lab.
Mr. Prouty

PY 208 Memory and Conceptual Processes (Spring) — Mr. Prouty

PY 225 Developmental Psychology (Spring) — Mr. Prouty
(This course will receive Teacher Education credit.)

PY 227 Abnormal Psychology — Fall
This course explores first the standard nosology of mental illness and then looks at the problem of abnormal behavior with an interest in the light that the several natural and social sciences can throw on its etiology. (PY 105) — Mr. Ewell

PY 301 Physiological Psychology — Fall
The central focus of this course is on the neurophysiological, neuroanatomical and endocrinological substrates of both human and animal behavior. In the laboratory the student will learn

several of the surgical and anatomical techniques used to investigate central nervous system function. (PY 101 or PY 105 or permission.) (Permission will be liberally granted to students with backgrounds in biology, chemistry or physics.) 3 hrs. lecture, lab.

(PY 305 Experimental Psychology: Psychophysics) To be offered in Fall 1974.

PY 307 Social Psychology Fall
This course takes as its central focus the problem of attitude, with especial emphasis on attitude measurement and processes of attitude change. Laboratory work involves the construction and testing of attitude scales by several of the more commonly used procedures. (PY 201) 3 hrs. lecture, lab. Mr. Ewell

(PY 314 Experimental Psychology: Sensory Processes) To be offered in 1974-75.

(PY 316 Research in Physiological Psychology) To be offered in 1974-75.

(PY 322 Psychology in Clinical and Educational Contexts) To be offered in Fall 1974.
(This course will receive Teacher Education credit.)

PY 411 Contemporary and Continuing Issues in Psychology Fall
For many years the two defining influences in Psychology have been: the experimental tradition which began with Wundt in 1879, and the tradition starting with Freud's work in the 1900's. Recently, Maslow and others have proposed what they label a "third force"; an approach which emphasizes development of human potential. The course essays to deal with the past, present, and possible future of this confrontation by examining each tradition, its strengths, weaknesses, and the issues which each raises. (Permission. Permission will be granted to students with strong backgrounds in behavioral science.) Mr. Prouty

PY 426 Personality and Psychotherapy (Spring) Mr. Ewell

PY 500 Advanced Research Fall and Spring
A program of research arranged to meet the needs of advanced students majoring in psychology. (Permission.) Staff

PY 705 General Examination in Psychology
Senior psychology majors are expected to work independently throughout the year in preparation for the General Examination given in May. This examination covers the field of psychology rather than specific course material. Each student is granted one course equivalent for preparation for this examination. He may take that equivalent, at his own choice, during the fall, winter, or spring term of the senior year. Staff

RELIGION

Courses in religion are designed to acquaint students with the many aspects of religious life in a variety of cultural settings, and with the chief methods employed in investigating and interpreting religious phenomena.

Major Program: A major in religion must satisfactorily complete three 200 courses and four 300 courses, RE 702, plus at least two cognate courses: a cognate course is a course offered by another department whose content or method is pertinent to the study of religion: courses

in anthropology, art history, history, literature, philosophy, sociology. In each case, a cognate course must be approved by a student's adviser before it can be credited toward the major.

Departmental Honors: Students who have maintained a B average in departmental courses may elect, at the end of their junior year, to become candidates for departmental honors. An honors candidate must prepare a thesis under the direction of a faculty adviser during the fall and winter terms of his senior year (the thesis shall count as two course credits). "Honors" shall be awarded to candidates who receive a B+ as their thesis grade; "High Honors" to those who receive an A-; "Highest Honors" to those who receive an A or A+. In each case, candidates must maintain a B average in their departmental courses.

RE 101 Seminars in Religion Fall
A course organized around six week seminars that deal in depth with a particular religious issue or topic. Topics for 1973 are "Modern Criticisms of Religion", and "Contemporary Ethical Issues". (Open only to Freshmen.) Mr. Ferm, Mr. Scott

The following courses are introductory in nature; they have no prerequisites and are open to freshmen.

RE 201 The Old Testament Fall
The history, literature, and faith of the Hebrew People from the Patriarchical age to the Maccabean revolt. Attention will be given to the methods of historico-literary criticism and the contribution of archeology to biblical history and interpretation. Mr. Scott

RE 202 The New Testament (Spring) Mr. Scott

RE 203 Classical Issues in Religious Thought Fall
Classical religious and philosophical perspectives on such topics as the idea of God, the problem of evil, human freedom and destiny. Mr. Rockefeller

RE 205 The Shaping of American Religious Life (Spring) Mr. Ferm

RE 206 The Religious Traditions of India (Spring) Mr. Nuovo

Studies in Religion

The following courses are limited in enrollment and are offered with prerequisites or by permission.

RE 301 Modern Views of God and Religious Man Fall
Studies in the religious thought of Hegel, Feuerbach, Kierkegaard, Dostoevsky, Tolstoy, Buber, Tillich, and others. (Permission.) Mr. Rockefeller

(RE 304 The Idea of God in the History of Religions) To be offered in 1974-75.

RE 305 Theological Issues in the West from the Reformation to the Early Modern Period (Spring) Mr. Ferm

RE 306 Puritanism and Revivalism in America Fall
Reading and discussion of original documents from Puritans and Revivalists, including John Winthrop, Jonathan Edwards, Charles Finney and Billy Sunday. (Permission.) Mr. Ferm

(RE 308 Seminar in American Religious History) To be offered in 1974-75.

RE 310 Seminar in Biblical Studies (Spring) Mr. Scott

(RE 311 Depth Psychology and Religion) To be offered in 1974-75.

RE 312 Zen Buddhism (Spring) Mr. Rockefeller

The following courses, offered in other departments, may be credited toward the religion major as departmental rather than as cognate courses. Students should consult the catalogue under the respective departments for course descriptions.

HM 150 World Views and Human Questions (Spring) Mr. Bates, Mr. Nuovo, Mr. Rockefeller

PA 213 Philosophy of Religion (Fall) Mr. Nuovo

PA 410 From Transcendentalism to Naturalism (Spring) Mr. Rockefeller

PA 412 Philosophy in the Middle Ages (Fall)

SA 380 Religion, Myth, and Ritual Symbolism (Spring) Mr. McCreery

RE 500 Independent Study

RE 700 Senior Research for Honor's Candidates

RE 702 Senior Seminar (Spring) Mr. Nuovo

RUSSIAN

The following courses taught in English by the Department of Russian are open with the permission of the chairman of the department, to students who are majors in other departments: RU 251 and RU 252, Russian Literature and Culture; RU 351, Dostoevsky; RU 352, Tolstoy; RU 353, The Russian Short Story; and RU 354, Soviet Russian Literature.

Admission to the major program is attained through satisfactory grades in RU 202 and RU 252 or through satisfactory scores on a qualifying examination. The qualifying examination will cover all language skills and a general knowledge of Russian literature and culture from its beginnings to the present day.

Normally a major program will consist of the following courses: RU 301, RU 302 and three courses chosen from the following: RU 311, RU 312, RU 401, RU 402, RU 411, RU 412. Although all students will be expected to take work in the areas of language, literature, and civilization and culture, the program of an individual student may place greater emphasis on any of these three areas and each student's program will be planned individually in consultation with the chairman.

The senior program will consist of a Senior Seminar (the equivalent of one course), for which students will normally register in the spring semester. Students with particularly strong records for the first three years of study will be encouraged to prepare an Honors pro-

ject under the supervision of a faculty member. Upon the approval of the chairman Honors work may be substituted for the Senior Seminar.

Middlebury College is one of the institutions sponsoring a semester-long program of Russian study at Leningrad University through the Council on International Educational Exchange. Competition for this program is extremely rigorous and students should begin planning their entire undergraduate study program early if they anticipate applying for this program. Interested students should consult with the chairman as early as possible concerning this program.

RU 101 Beginner's Russian Fall
Oral approach to provide a firm control of the sound system and the structure of the language. Although the emphasis is on the spoken colloquial language, reading, writing, and the fundamentals of grammar are gradually introduced in order to provide a solid foundation for work in advanced courses or for reading in specialized fields. Five class meetings per week (two in lecture sections, three in drill sections) and intensive use of the language laboratory.
Mr. Baker and Staff

RU 102 Beginner's Russian (Spring) Mr. Baker and Staff

RU 201 Intermediate Russian Fall
Continuation of the oral approach used in RU 101 and RU 102. Systematic review of grammar with increasing emphasis on reading and writing. Four class meetings per week (one in lecture, three in drill sections). Intensive use of the language laboratory. (RU 102 or equivalent.)
Mr. Baker and Staff

RU 202 Intermediate Russian (Spring) Mr. Baker and Staff

RU 251 Russian Literature and Culture Fall
A survey of Russian cultural history and literature from its beginning to 1880. The main emphasis will be on the 19th century. No knowledge of Russian is required. Mr. Motolanez

RU 252 Russian Literature and Culture (Spring) Mr. Motolanez

RU 301 Russian Phonetics, Diction and Conversation Fall
Systematic review of the fundamentals of Russian grammar. Intensive work in establishing correct Russian pronunciation and intonation. Development of oral fluency and freedom of self-expression. Intensive use of the language laboratory. (RU 202 or equivalent.)
Mr. Baker and Staff

RU 302 Russian Conversation and Composition (Spring) Mr. Baker

RU 311 Russian Prose and Drama of the 19th Century Fall
Reading in the original of works of some of the major 19th century writers. Classroom discussion in Russian. (RU 202 or equivalent.) Mrs. Baker

RU 312 Russian Prose and Drama of the 19th Century (Spring) Mrs. Baker

(RU 351 Dostoevsky (in English)) To be offered in 1974-75.

(RU 352 Tolstoy (in English)) To be offered in 1974-75.

RU 353 The Russian Short Story Fall
A formal study of the Russian "isms" (Romanticism, Realism, Symbolism, Constructivism, Futurism, Formalism, Socialist Realism) based on a reading of some of the major Russian writers of short stories. No knowledge of Russian is required. (Permission.) Mr. Motolanez

(RU 354 Soviet Russian Literature (in English)) To be offered in 1975-76.

RU 401 Advanced Language Study Fall
Continued development of spoken and written skills, including stylistic analysis of various types of material. Entails use of the language laboratory. (RU 302 or equivalent.) Mrs. Baker

RU 402 Advanced Language Study (Spring) Mrs. Baker

RU 411 Russian Prose and Drama of the Twentieth Century Fall
Study in the original of some of the major twentieth-century writers. Classroom discussions in Russian. (RU 302 or permission.) Mr. Orth

RU 412 Russian Poetry (Spring) Mr. Motolanez

RU 500 Advanced Studies in Language and Literature Fall and Spring
Supervised individual study for highly qualified students; including Honors Thesis.

RU 704 Senior Seminar (Spring)

See also Division of Foreign Languages.

SOCIOLOGY-ANTHROPOLOGY

Our world is one characterized by rapid social change and complex social problems. At the same time, one is increasingly aware of the impact of social relationships in producing social structures that either inhibit or facilitate desired goals.

The major in Sociology-Anthropology is designed to provide the student with a perspective for the systematic analysis and understanding of human behavior resulting from cultural and societal forces. Based on the empirical findings of the closely related disciplines of Sociology and Anthropology, this perspective is inherently comparative, such that the department is concerned with the inter-relations between culture and society in various settings. Although both of these disciplines share common concern about human behavior, each in addition has its own history, concepts, and theoretical commitments. Anthropology essentially focuses on the role of culture in human experience and Sociology is concerned primarily with the role of social interaction and the social structure in human experience.

Upon completion of the introductory courses, each major may declare a "specialization" in either Anthropology or Sociology. (This does not preclude the election of courses in both fields.) The "concentrator" in Anthropology must take one "culture area" course; the "concentrator" in Sociology must take SA 205, Sociological Theory.

All majors, regardless of specialization, must take SA 301, The Research Process. It is strongly suggested that students take this course in the junior year in order to prepare the topic and background for their Senior (or Honors) Thesis. Sophomores may register for the course if they wish, but especially if they plan a junior year abroad.

During the final year, the student will write a Senior Thesis (or Honors Thesis). Normally the two thesis units are used in the fall and winter terms. However, at the student's option, both units may be taken during the fall term, with the final copy due at the end of the fall term.

Required for the major in Sociology-Anthropology: SA 101, SA 102, SA 301, either SA 205 or one "area course," the Senior thesis, plus a minimum of 5 but nor more than 9 fall and spring courses in the Department and a minimum of one but not more than two winter courses in the Department (one of which may be part of the Senior Thesis.) The selection of cognate courses will be planned with the major's adviser, taking into consideration the student's aims and purposes in the department.

Departmental Honors will be granted to those who do superior work on the senior thesis and course work in the department.

Introductory Courses

SA 101 Introduction to Anthropology Fall
An introduction to the major sub-fields of anthropology--physical anthropology, archaeology, linguistics and social anthropology. An examination of evolution and contemporary variation in man and culture, using data from human paleontology and biology, the archaeological record and ethnographic studies. (Not open to juniors or seniors.) Mrs. Honerkamp and Mr. McCreery

SA 102 Sociological Perspective (Spring) Mr. Haerle, Mr. Fengler, Mr. Nye

Theory and Method

SA 205 Sociological Theory Fall
A critical analysis of the major sociological theorists who have or are influencing contemporary sociology, through the use of original sources. Emphasis will be given to Marx, Weber, and Durkheim, along with some more contemporary writers. Implications of their ideas to contemporary theory and research. (SA 101 and SA 102 or permission.) Mr. Haerle

SA 301 The Research Process (Spring) Mr. Haerle and Staff

Social Organization and Comparative Institutions

SA 315 Sociology of Education Fall
An examination of education as both a social institution and social process. Topics include the relationship between socialization and education, learning as a social-psychological process, the relationship between education and other institutions and the analysis of the roles of administrators, teachers, students and "outsiders" on various levels. Education in American society is the primary focus with social policy planning proposals the course objective. Mr. Nye
(This course will receive Teacher Education Credit.)

(SA 337 Political Sociology) To be offered in 1974-75.

SA 345 Work, Leisure, and Sport (Spring) Mr. Haerle

SA 364 Population Studies (Spring) Mr. Fengler

SA 370 Social Inequality in Comparative Perspective Fall
An analysis of the universal phenomenon of structured social inequality. Topics include the five basic types of stratification systems, objective and subjective aspects of stratification and the future of inequality. Substantive materials are both comparative and historical. (SA 102 or permission.) Mr. Nye

SA 380 Religion, Myth and Ritual Symbolism (Spring) Mr. McCreery

SA 392 The Family Fall
The changing position of the American family in society from Colonial days to the year 2000 will be explored. Courtship, engagement, marriage, parenthood and retirement will be viewed as periods in the life cycle of contemporary families which have undergone considerable change since the turn of the century. Although focusing on the American family, comparative material will be introduced to explore "variations" and "universals" in family forms and functions. (SA 102 or permission.) Mr. Fengler

(SA 393 Kinship, Marriage and Politics: Fundamentals of Social Anthropology) To be offered in 1974-75.

Area Studies

(SA 321 Native Peoples of North America) To be offered in 1974-75.

(SA 326 Latin American Culture and Society) To be offered in 1974-75.

SA 332 Peoples and Cultures of Africa (Spring) Mrs. Honerkamp

SA 333 Asian Ethnology (Spring) Mr. McCreery

SA 334 Modern Japan and China Fall
An exploration of twentieth century social and cultural change. An attempt will be made to assess the relative weight of traditional continuities and radical changes in areas including family and marriage, the organization of work, religion and ideal models for social behavior. (SA 101, SA 102 or permission; permission readily granted to students with background in comparative politics or Asian history.) Mr. McCreery

SA 343 American Community Studies Fall
An examination of selected communities and subcommunities within the framework of the folk-urban continuum. The structure of social class, status and power, and the relationship among institutions within the community. Assessment of methodological issues. (SA 101, SA 102 or permission.) Does not satisfy anthropology area course requirement. Mr. Haerle

Social Process and Social Problems

SA 201 Physical Anthropology and Archaeology Fall
An examination of man's biological evolution and his archaeological history. Emphasizes archaeological methods and techniques and the significance of archaeological research in the interpretation of fossil man and early cultural development. Mrs. Honerkamp

SA 352 Individual and Society Fall
A multi-disciplinary approach to man in society. The controversy of heredity vs. environment

explored in relation to such areas as sexual identity, aggression and intelligence. Theories and research in social psychology concerned with attitude formation and change. Consideration of a variety of means of behavior control. Mr. Fengler

(SA 356 Socio-Cultural Change)

(SA 359 Peasant Society and Culture) To be offered in 1974-75.

(SA 366 Majority-Minority Relations) To be offered in 1974-75.

SA 377 Archaeology of North America (Spring) Mrs. Honerkamp

SA 388 Deviance (Spring) Mr. Nye

SA 495 Seminar in Sociology-Anthropology Fall or Spring
Offered periodically to allow study of a specific area or subject in Sociology or Anthropology. Topic varies from year to year. (Limited to juniors and seniors.) (Not offered in Fall, 1973.)
Staff

SA 500 Advanced Individual Study Fall and Spring
Open to qualified students, by permission. Staff

SA 700 Senior Thesis Fall and Winter
Under the guidance of a faculty member, each senior major will carry out an independent research project, often based on original data. Data must be analyzed and presented in a written report. Due at the end of the Winter Term. (The two course units may be taken during the fll semester; if so, due at the end of the Fall Term.) Staff

SPANISH AND ITALIAN

Spanish

In its program of studies in Spanish the Department is committed to the twofold aim of developing in its students a full command of the language as well as a mastery of a body of knowledge reflecting the rich contribution of the Hispanic peoples to the World's literature and culture. The early courses concentrate on the rapid and thorough development of the fundamental language skills in preparation for the more advanced courses in language, literature, and culture and civilization. Integrated with the Department's offerings is the Middlebury Program for Juniors in Madrid. Non majors are encouraged to take advantage of this opportunity to widen their educational horizons by studying in another culture. In the case of majors, it is the Department's expectation that they will spend at least one semester in residence in Madrid.

The major consists of ten courses, including SI 301, SI 302, plus six higher courses. Majors are encouraged to supplement their program by selecting, in consultation with the Department, courses from related areas outside of their major field. For graduation in Spanish, a student will be expected to have a very good command of the language, to be conversant with the salient periods of Hispanic literature, and to have a broad knowledge of Hispanic culture gained through the experience of courses at Middlebury, study in Spain, and a departmental program of recommended readings.

SI 101 Beginning Spanish (To be offered in Winter Term.)
An introduction to Spanish, concentrating on the development of fundamental language skills; listening comprehension, speaking, reading and writing. Students make regular use of the language laboratory to complement their work in class. Followed by SI 102.
Mr. Peel, Mr. Véguez

Note: In the past this course has normally been given during the Fall Term, but it will now be given instead on an intensive basis during the Winter Term.

SI 102 Continuing Spanish (Spring) Mr. Peel, Mr. Ilgen

SI 201 Intermediate Spanish Fall
A course for freshmen and upperclassmen who wish to improve their control of basic language skills. A comprehensive review of grammar is followed by reading and writing exercises based on selected short works by modern Spanish and Spanish American authors. Followed by SI 220. Mr. Ilgen, Ms. Maura

SI 220 Spanish Conversation Fall, Spring
An intermediate course for freshmen and upperclassmen designed to perfect the student's fluency in spoken Spanish through a carefully structured program leading gradually into free conversation on topics of broad general interest. The course is based on a variety of materials, including articles from current Spanish and Spanish American magazines, film strips and other media. Regularly followed by SI 240. Mr. Véguez

SI 240 Modern Writers of the Spanish World Fall, Spring
An advanced language and literature course designed both to further the student's experience of Spanish and Spanish American literature and to perfect his skills in writing. The work of the course will be based on the reading of a number of outstanding prose works from the writings of such figures as Borges, Cortázar, Machado, García Lorca and Cela. Frequent short critical essays will complement the reading and provide the student with the means of improving his ability to express himself in written Spanish. Open to qualified freshmen and upperclassmen. Followed by SI 301. Mr. Peel

SI 246 Introduction to Spanish Culture and Civilization Fall
The course will study important aspects of the development of Spanish culture from ancient times to the present. Representative readings from the works of pertinent writers will be supplemented by related cultural material on slides, tapes, and records. Open to qualified freshmen and upperclassmen. Regularly followed by SI 301. Ms. Maura

(SI 247 Aspects of Spanish American Culture) To be offered in 1974-75.

SI 301 The Hispanic Tradition in Literature: From the Middle Ages to the Golden Age
Fall, Spring
An introduction to the masterworks of Spanish literature from its inception to the period of its greatest flowering in the 16th and 17th centuries. Reading will include the great medieval epic of the Cid; the traditional ballads or romances; representative selections from both the Don Quijote and its celebrated precursor, La Celestina; the works of the classical Spanish poets of the Renaissance and Baroque (Garcilaso, Fray Luis de León, San Juan de la Cruz, Lope de Vega and Góngora); the first picaresque novel, the Lazarillo de Tormes; and Fuenteovejuna, a play by Lope de Vega, the prince of the Spanish stage in its greatest period. Mr. Ilgen

SI 302 The Hispanic Tradition in Literature: From the 18th Century to the Present

Fall, Spring

A reading of representative major works of the period, including the poetry of Bécquer, Darío, Machado and García Lorca, and the prose and drama of such figures as Larra (Artículos de costumbre), Zorrilla (Don Juan Tenorio), Bécquer (Rimas y leyendas), Unamuno (San Manuel Bueno, Mártir), Valle-Inclán (Sonata de otoño), García Lorca (La casa de Bernarda Alba), Ortega y Gasset (La deshumanización del arte), and Cela (La familia de Pascual Duarte).

Mr. Véguez

SI 305 The Literature of the Spanish Speaking World (In English) Fall

Beginning with the medieval epic of the Cid, the course will trace the evolution of Hispanic literature through the Spanish Golden Age of the picaresque novel, Cervantes and Calderón to the modern period, including the Mexican Revolution and the Spanish Civil War. (Does not count towards the major in Spanish.)

Mr. Peel

SI 310 The Modern Spanish Novel: The Realist Novel Fall

An introduction to the development of the Spanish novel in the 19th century through the reading of representative works by Valera (Pepita Jiménez), Pérez Galdós (Zaragoza, Doña Perfecta, Miau, Misericordia), Pardo Bazán (Los pasos de Ulloa), "Clarín" (Su único hijo), and Blasco Ibáñez (La barraca). (After SI 301-302 or by permission.)

Mr. Véguez

SI 315 Hispanic Poetry of the Twentieth Century Fall

A study of the major poets of Spain and Spanish America from the Generation of '98 and Modernismo through the Civil War period to the present: Darío, Machado, Jiménez, Vallejo, Guillén, García Lorca, Neruda, Hernández, Paz and others. (After SI 301-302 or by permission.)

Mr. Ilgen

(SI 320 The Modern Spanish American Novel and Short Story) To be offered in 1974-75.

(SI 325 The Contemporary Spanish American Novel) To be offered in 1974-75.

(SI 330 Contemporary Latin American Fiction (In English)) To be offered in 1974-75.

(SI 340 Federico García Lorca) To be offered in 1974-75.

SI 410 Cervantes (In English) (Spring) Mr. Ilgen

(SI 415 Lope de Vega y la comedia española del siglo XVII) To be offered in 1974-75.

SI 420 - SI 440 Seminars: Seminars are offered in a wide range of topics, varying from year to year. They include the following: La literatura de la España medieval; Hispano américa: época colonial; La poesía lírica del Siglo de Oro; La tradición picaresca en la literatura española; Romanticismo, realismo y naturalismo en España; El teatro moderno en España; La poesía hispanoamericana del siglo XX; Pablo Neruda; Readings in the History of the Spanish Language; The Structure of Modern Spanish. The department encourages suggestions from students for other topics, and will attempt to arrange seminars for which there is sufficient interest. Plans must be made no later than the beginning of the preceding fall or spring term.

SI 500 Independent Study Fall, Spring

The department will consider request by qualified juniors and seniors to engage in independent work.

Italian

The major in Italian Literature and Civilization consists of three parts: courses taken on campus during the regular academic year, courses taken at the Italian Summer School, and the Junior Year program of study in Florence. The candidate must complete SI 252 or a higher level course by the end of the sophomore year. It is recommended that he take courses, offered on campus, in such related fields as Art, History and Music. At the Italian Summer School, which he will be expected to attend during the sophomore-junior summer, he will enroll in a Grammar and Composition course at the intermediate level, and he will take one literature course. During the Junior Year in Florence he will be enrolled in four courses: a course in Stylistics and one literature course (both commissioned specifically for Middlebury College), and two courses at the University of Florence, in such areas as literature, linguistics, art, and music.

SI 151 Elementary Italian — Fall
Training in pronunciation; vocabulary building; a study of the fundamentals of grammar and syntax; pattern drills; readings. Laboratory exercises are an integral part of the course. Five class meetings per week (two in lecture sections, three in drill sections).
Mr. Castiglione, Mrs. Castiglione

SI 152 Elementary Italian (Spring) — Mr. Castiglione, Mrs. Castiglione

SI 251 Intermediate Italian — Fall
A thorough review of the structure of the language, combined with the reading of selections from contemporary Italian prose. Compositions; oral reports; laboratory assignments.
Mr. Castiglione

SI 252 Advanced Italian (Spring) — Mr. Castiglione

SI 351 Introduction to Literature — Fall
The aim of this course is to acquaint the student, through classroom discussions and oral reports on representative works, with the principal currents and authors of Italian literature. The first semester will be devoted to the study of the development of Italian literature from the Sicilian school to the Renaissance. Mr. Castiglione

SI 352 Introduction to Literature (Spring) — Mr. Castiglione

SI 353 Contemporary Italian Prose — Fall
A study of the major works of representative Italian prose writers, from World War II to the present (Vittorini, Pavese, Pratolini, Moravia, Bassani, Cassola, Calvino). Mrs. Castiglione

SI 354 Contemporary Italian Prose (Spring) — Mrs. Castiglione

SI 355 The Dawn of the Italian Renaissance — Fall
Almost one thousand years ago there appeared in the Italian peninsula the signs of a new life, which marked the beginning of Italian civilization and came to full maturity -- in language, literature, and the arts -- in the 13th and 14th centuries. Against the background of the major political, social and economic changes, the works of Dante and of Boccaccio and, to a lesser extent, those of Petrarch, will be studied. Discussions in English; readings in English or Italian, depending on students' language preparation. (Seminar.)
Mr. Castiglione, Mrs. Castiglione

SI 550 Advanced Studies in Language and Literature — Fall and Spring
Mr. Castiglione

See also Division of Foreign Languages

TEACHER EDUCATION PROGRAM

The Teacher Education Program offers students opportunities to study educational issues and to prepare themselves as elementary or secondary school teachers. Teacher Education is not a major. The Teacher Education Program also offers students advice on graduate and summer programs in Education.

Upon graduation, students who have completed one of the programs described below and who are judged capable of fulfilling a public school teacher's responsibilities without further external support or stimulus are automatically certified in the following states:

Alaska	Maryland	Rhode Island
California	Massachusetts	South Dakota
Connecticut	Minnesota	Utah
Delaware	New Hampshire	Vermont
Florida	New Jersey	Virginia
Hawaii	New York	Washington
Idaho	North Carolina	West Virginia
Indiana	Ohio	Wisconsin
Kentucky	Oklahoma	
Maine	Pennsylvania	

Students may also earn certification in states not listed here, and they should consult the Director of Teacher Education for advice.

Students normally undertake the following studies toward certification:

For elementary certification (K-6):

1) A one-term course on the methods and materials of teaching reading and mathematics at the elementary level. (TE 305)
2) One term of college science or advanced placement in science.
3) One term course in the foundations of education (description below).
4) An Internship, working with elementary students. (Will be required beginning with the class of 1975.) (See description below.)
5) Problems and Methods of Education-Elementary (TE 404) or its equivalent.
6) Practice Teaching-Elementary (TE 405-406-407).

For secondary certification (7-12):

1) A major or its equivalent in a discipline which coincides with a subject taught widely in public secondary schools. The following majors do not coincide with subjects taught widely in public secondary schools; students who intend to major in these areas and to seek secondary certification should speak with Director of Teacher Education as early as possible in their college careers:

Anthropology	Geography	Psychology
Art History	Greek	Religion
Economics	Philosophy	Sociology

2) A one term course in the foundations of education (See description below).

3) An Internship, working with secondary students. (Will be required beginning with the class of 1975.) (See description below.)
4) Problems and Methods of Education-Secondary (TE 414) or its equivalent.
5) Practice Teaching-Secondary (TE 415-416-417).

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The Internship Requirement: (Freshmen, Sophomores, and Juniors)
1) may, but need not, be done in the Winter, and may, but need not, be done for academic credit. It must, however, be the equivalent of a Winter Term project in time and commitment, between 75 and 100 hours of work.
2) may, but need not, be done in an academic setting. In whatever setting it is done, it must be analogous to academic teaching in these respects:
   a) it must be part of an organized, supervised program;
   b) the intern must state in advance precisely what his goals are for the children he will work with;
   c) the intern must work with children in groups;
   d) there must be provisions for feedback from the children;
   e) the intern must evaluate the progress of the children, and be evaluated himself by an on-site supervisor.
3) must be done while one is in college.
4) must be approved in advance by the Director of Teacher Education.

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The Foundations Requirement: (Freshmen, Sophomores, and Juniors) can be fulfilled by any of the following courses:

*PY 225 Developmental Psychology (Spring) Mr. Prouty
(PY 101 or PY 105)

*PY 322 Psychology in Clinical and Educational Contexts
(PY 101 or PY 105)

*HI 309 History of American Education (Fall) Mr. Stameshkin

*SA 315 Sociology of Education (Fall) Mr. Nye
(See description under Sociology)

Students are reminded that the foundations requirement can also be met by taking an appropriate Winter Term course, or by a 500 project approved by a member of an academic department in conjunction with the Director of Teacher Education.

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The Reading and Mathematics Requirement: (Elementary only; Juniors and Sophomores with special permission)

TE 305 Methods of Teaching Elementary Mathematics and Reading (Spring)
First six weeks on materials and methods of elementary mathematics, last six weeks on problems encountered in the teaching of reading. Mr. Callahan and Miss McGlynn

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The Problems-and-Methods and Practice Teaching Requirements: (Seniors; Juniors with special permission)

Two changes will be introduced into the Teacher Education Program in 1973-74. The first is that Practice Teaching will receive three credits. The second is that the Problems and Methods courses, until now offered to Juniors before Practice Teaching, will be offered concurrently with Practice Teaching. The two requirements together will constitute the normal four-credit course load for one Term.

Since the Seniors of 1973-74 doing Practice Teaching will already have taken the Problems and Methods course as Juniors, the program changes at first will go only partially into effect. These students will receive three credits for Practice Teaching, and the choice of a fourth course will be at their discretion.

The Problems and Methods courses, both Elementary and Secondary, will nevertheless be open in the Fall Term to any Senior who will not have taken such a course prior to Practice Teaching.

Students anticipating conflicts between the new arrangements of the Teacher Education Program and their academic obligations in the senior year should consult both the Chairman of their major department and the Director of Teacher Education immediately. American Literature and English majors especially are advised to plan their senior programs carefully.

Students accepted for Practice Teaching should register as follows:

	Problems & Methods	Practice Teaching
Elementary:	TE 404 (if needed)	TE 405-406-407
Secondary:	TE 414 (if needed)	TE 415-416-417

Language majors accepted for secondary Practice Teaching are encouraged to take FL 400 instead of TE 414 to fulfill the Problems & Methods requirement.

Descriptions of the above courses are as follows:

TE 404 Problems and Methods of Education - Elementary (Formerly, TE 304) Fall
Lectures, discussion and readings pertinent to the general background, current trends, problems and methods of contemporary elementary education. Includes observation and teacher aide work at the local elementary schools. (Permission.) Miss McGlynn

TE 405-406-407 Practice Teaching--Elementary (K-6) Fall and Spring
A triple course in which each student teaches daily at a single grade level in a local elementary school and gradually assumes full responsibility for the activities of his classroom. Master teachers and college Supervisors of Student Teaching meet regularly with each student teacher to plan and evaluate his teaching. All students meet with the Supervisor of Student Teaching in a weekly seminar to study issues in elementary school teaching in light of their observations and experiences teaching in the local schools. (TE 404 and permission. Admission to TE 405-406-407 does not guarantee a student placement as a practice teacher, because the number of places available is determined by factors beyond the control of the College: the number of local teachers willing and competent to serve as master teachers and the number of students each term who wish to practice teach.) Mrs. Gleason and staff

TE 414 Problems and Methods of Education--Secondary (Formerly TE 314) Fall
Particular attention will be given to the aims of secondary education, the design of a curriculum, organization of schools and classrooms, the nature of adolescents, and the importance of teach-

ing methods. Each student will observe classes at the secondary level, write analytical papers, and design a teaching unit in the subject he intends to teach. (Permission.) Mr. Jimenez

FL 400 Language Learning: Theory and Practice (Language majors only) Fall and Spring
(See description under Foreign Languages) Mr. Paquette

TE 415-416-417 Practice Teaching--Secondary (7-12) Fall and Spring
A triple course in which, after observing classes, each student daily teaches three or four courses at local secondary schools and toward the end of the term assumes most of the duties of his master teacher for two or three days. Each student also participates in some of the co-curricular activities of his school and writes plans and evaluations of his teaching. Student teachers work under the close supervision of their master teachers and the Supervisors of Student Teaching. The principal purposes of this course are to help each student teacher develop criteria for evaluating his performance, to test his theories of teaching and learning and his ideas about the curriculum, and under the guidance of experienced teachers to begin to develop his own style of teaching. (TE 414 and Permission. Admission to TE 415-416-417 does not guarantee a student placement as a practice teacher, because the number of places available is determined by factors beyond the control of the College: the number of local teachers willing and competent to serve as master teachers and the number of students each term who wish to teach particular subjects.) Mrs. Thurber and staff

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PROGRAM OF MILITARY SCIENCE

The objective of a Senior Division Army Reserve Officers' Training Corps (ROTC) unit, organized under the provisions of the National Defense Act of 1916 and amendments thereto, is to provide a program which will attract, motivate, and prepare selected students with potential to serve as commissioned officers in the Army Reserve or Regular Army. The ROTC curriculum at Middlebury College provides a flexible program of instruction designed to complement the student's civilian goal of acquiring a baccalaureate degree in a course of study of his choosing by enabling him to develop those attitudes and qualities that will facilitate transition to military service. The program includes a two-year basic course offered during the freshman and sophomore years, and a two-year advanced course offered during the junior and senior years. Credit for previous active duty military service and ROTC training will be granted in accordance with current Department of the Army regulations.

The Basic Course

A two-year basic course is available to all male students who voluntarily enroll in the freshman year. During the freshman year the course meets one period each week during the fall and spring semesters. During the sophomore year the course meets two periods each week during the fall and spring semesters. Six hours of leadership laboratory (drill) are also required each semester during both the freshman and sophomore years. Uniforms, books, and equipment are furnished by Department of the Army at no cost to the student.

MS 11 (Fall) and MS 12 (Spring) Freshman Basic (Military Science I)
Fall and spring semester. Fundamentals of Military Leadership and Management (one hour each week) and Leadership Laboratory (six hours each semester). Staff

MS 21 (Fall) and MS 22 (Spring) Sophomore Basic (Military Science II)

Fall and spring semester. Applied Military Leadership and Management (two hours each week) and Leadership Laboratory (six hours each semester). Staff

The Advanced Course

A two-year advanced course is offered to juniors who either successfully complete the basic course, served on active duty in the Armed Forces for one year, or successfully complete a six-week basic summer camp prior to their junior year of college. Members of the advanced course are selected by the DMS from students in the sophomore class who volunteer and are in one of these categories.

During the junior and senior year the course meets two periods each week during the fall and spring semester. Six hours of Leadership Laboratory are also required each semester during both the junior and senior years.

Students enrolled in the advanced course will receive a retainer allowance of $100.00 per month. Department of the Army also purchases for each advanced course student a regulation Army Officer uniform. This is worn during leadership laboratory and is retained by the student upon his graduation.

Attendance at one advanced summer camp of six weeks duration is mandatory. During attendance the student is paid $293.05 per month. Mileage rate is paid from home of record in Continental United States to camp and return. Students will attend camp between their junior and senior years, but deferment to the next summer may be made, for a cogent reason, when approved by the DMS.

The ROTC student is given a general military science course which does not emphasize any one branch or service. Prior to commissioning, assignment to a branch will be made based on existing Army quotas and the individual's desires and capabilities. Training is oriented primarily toward a commission in one of the combat arms--Infantry, Air Defense, Artillery, Armor, Signal Corps, or Engineer Corps. Students whose academic program has particularly qualified them may request a commission in one of the technical service branches--Chemical Corps, Ordnance, Finance, and others.

Students who enroll in the Advanced Course must agree to complete ROTC training, unless circumstances beyond their control make it impossible to do so. Students must agree to accept a commission, if it is offered, and to serve on active duty in the Army for a period of two years.

Commissioning Requirements. Once a student is enrolled in the Advanced Course, he must satisfactorily complete the following to be eligible for a commission as a Second Lieutenant:

a. Education: Receive a baccalaureate degree.
b. Military Training:
   (1) Complete all military courses for the Senior Division ROTC.
   (2) Complete ROTC Advanced Summer Camp.
   (3) Be recommended for appointment by the President of the College and the Director of Military Science.

Upon successful completion of the above requirements, the student is commissioned as a Second Lieutenant, U.S. Army Reserve. Outstanding military students are eligible for a direct commission in the Regular Army upon graduation. Graduates then report to active duty within the first twelve months following their commissioning. Those who desire to attend graduate school may be deferred from active duty for the duration of their graduate study, but not to exceed 24 months. Exceptions to this policy will be granted to students pursuing advanced study in the healing arts, ministry and the legal profession.

MS 31 (Fall) and MS 32 (Spring) First Year Advanced Course (Military Science III) Fall and Spring semester. Advanced Leadership and Management (two hours each week) and Leadership Laboratory (six hours each semester). Staff

MS 41 (Fall) and MS 42 (Spring) Second Year Advanced Course (Military Science IV) Fall and Spring semester. Theory and Dynamics of the Military Team and Military Leadership and Management (two hours each week) and Leadership Laboratory (six hours each semester).

Staff

ROTC Flight Program. This program is available to selected cadets in their senior year at no cost to the cadet. The student is given thirty-five hours of ground school and thirty-six hours of flight instruction. Successful completion of this program qualifies the individual for a Federal Aviation Agency Private Pilot's License.

CALENDAR FOR 1973-74

1973

SEPTEMBER

5 - Wednesday, Freshman Week begins
10 - Monday, Fall Term classes begin (8 a.m.)

OCTOBER

13 - Saturday, Alumni Homecoming Day (College in session)
20 - Saturday, Parents' Weekend (College in session)
29-30 - Monday, Tuesday, Mid-term Recess

NOVEMBER

20 - Tuesday, Thanksgiving Recess begins (5 p.m.)
26 - Monday, Classes resume (8 a.m.)

DECEMBER

8 - Saturday, Fall Term classes end (12 noon)
10 - Monday, Reading Period begins
13 - Thursday, Final Examinations begin
18 - Tuesday, Final Examinations end, Christmas Recess begins

1974

JANUARY

3 - Thursday, Winter Term begins (8 a.m.)

FEBRUARY

2 - Saturday, Winter Term ends (5 p.m.) and Winter Recess begins
11 - Monday, Spring Term classes begin (8 a.m.)
21 - Thursday, Winter Carnival Recess begins (5 p.m.)
25 - Monday, Classes resume (8 a.m.)

MARCH

30 - Saturday, Spring Recess begins (12 noon)

APRIL

8 - Monday, Classes resume (8 a.m.)

MAY

11 - Saturday, Spring Term classes end (12 noon)
13 - Monday, General Examinations and Reading Period begin
17 - Friday, Final Examinations begin
22 - Wednesday, Final Examinations end
26 - Sunday, Baccalaureate and Commencement